ROHDE&SCHWARZ

SERVICEUNTERLAGEN

Ausgangsteil 1.5 GHz

1038.7780.06

.96 SME

.SMT

.04

.97

Siehe 1038.7909.xx

Inhaltsverzeichnis

7.	**Prüfen und Instandsetzen der Baugruppe**	5
7.1	**Funktionsbeschreibung**	5
7.1.1	RF-Signalverarbeitung	5
7.1.2	Mischer mit LO-, RF- und ZF-Filtern	6
7.1.3	Ausgangsverstärker	6
7.1.4	AM-Signalzweig und RF-Pegel-Sollwert	6
7.1.5	RF-Pegelregelung	6
7.1.6	LF-Generator	7
7.1.7	serielle Schnittstelle	7
7.1.8	Schaltung zur Diagnoseauswahl	7
7.2	**Meßgeräte und Hilfsmittel**	7
7.3	**Fehlersuche**	8
7.3.1	Fehler nur im Bereich f ≤ 9.3625 MHz	8
7.3.2	Fehler nur im Bereich f ≤ 93.75 MHz	8
7.3.3	Fehler im Bereich 1 kHz ≤ f ≤ 1500 MHz	8
7.3.4	Spektrale Reinheit, delta_f < 10 MHz vom Träger	9
7.4	**Prüfen und Abgleichen**	9
7.4.1	Prüfen der Datenübertragung	10
7.4.2	Abgleich des Komparators an EXT1	10
7.4.3	Abgleich des NF-Generators LFGEN1	10
7.4.4	Prüfung der LEVEL PRESET-Einstellung	10
7.4.5	Prüfung des Regelverstärkers	11
7.4.6	Prüfung des AM-Modulator-Arbeitspunktes	11
7.4.7	Prüfung der Arbeitspunkte der Verstärkerstufen	12
7.4.8	Prüfung der Ansteuerung der Filterbank	12
7.4.9	Prüfung des RF-Pegels nach der Filterbank	13
7.4.10	Abgleich der ZF-Verstärkung	13
7.4.11	Abgleich der ZF-Detektor-Linearität	14
7.4.12	Abgleich der Detektor-Linearität am Ausgang FOPU1	14
7.4.13	Abgleich des AM-Modulationsgrades	14
7.4.14	Prüfen des maximalen Ausgangspegels	14
7.4.15	Prüfen des Oberwellenabstandes	15
7.4.16	Prüfen des Nebenwellenabstandes	15
7.5	**Zerlegung und Zusammenbau**	16
7.6	**Externe Schnittstellen**	16

Schaltteilliste
Koordinatenliste
Stromlauf
Bestückungsplan

7. Prüfen und Instandsetzen der Baugruppe

7.1 Funktionsbeschreibung

Sie bezieht sich auf das Ausgangteil 1.5 GHz und das NF-Teil, da beide Baugruppen eine Funktionseinheit bilden und eine getrennte Beschreibung nicht sinnvoll ist.

Das Ausgangsteil 1.5 GHz erhält von der Summierschleife (Eingang FSUM, 6 dBm ... 9 dBm) das RF-Signal im Bereich 93.75 MHz < f ≤ 1500 MHz. Dieses RF-Signal wird über einen Amplitudenmodulator und ein Amplitudenstellglied auf schaltbare Tiefpaßfilter gegeben. Im Signalzweig wird durch Umschalter der Ausgangsfrequenzbereich 5 kHz ... 93.75 (130.7) MHz durch Abmischen mit einem 600 MHz-LO realisiert.

Die Baugruppe enthält folgende Funktionseinheiten:
- Einen AM-Modulator zur Pegelregelung und Amplitudenmodulation,
- einen AM-Modulator zur Pegelvoreinstellung (LEVEL PRESET),
- schaltbare Tiefpässe zur Unterdrückung von Harmonischen,
- einen Mischer mit LO-, RF- und ZF-Filtern,
- einen Pegeldetektor im RF-Zweig vor dem Mischer,
- einen Ausgangsverstärker,
- einen Pegeldetektor am Ausgang FOPU1,
- einen Signalzweig zur Aufbereitung des RF-Pegelsollwertes incl. der Amplitudenmodulation,
- die RF-Pegelregelung,
- einen LF-Generator,
- eine serielle Schnittstelle und
- eine Schaltung zur Diagnoseauswahl.

Im weiteren Text enthaltene Pegelangaben gelten für einen Geräteausgangspegel von +13 dBm.

7.1.1 RF-Signalverarbeitung

Dem Eingang X101 FSUM ist ein Dämpfungsglied zur Temperaturkompensation nachgeschaltet. Anschließend folgt der AM MODULATOR. Er ist das Stellglied der Pegelregelung im Bereich f ≤ 1.5 GHz. Beim SME 03 wird bei Frequenzen > 1.5 GHz die Ansteuerspannung auf einen festen Wert geschaltet, der AM MODULATOR ist dann auf minimale Dämpfung gesteuert.

Das RF-Signal wird durch RF AMPLIFIER 1 und RF AMPLIFIER 2 verstärkt und auf den PIN-Modulator LEVEL PRESET gegeben. Dieser Modulator wird durch gespeicherte Kalibrierdaten mittels D/A-Wandler so eingestellt, daß das Stellglied der Pegelregelung in einem optimalen Arbeitspunkt betrieben werden kann (vergl. Bedienhandbuch "Kalibrierung LEV PRESET").

Das RF-Signal wird durch den RF AMPLIFIER 3 verstärkt und auf schaltbare Tiefpässe HARMONIC FILTERS gegeben. Diese werden abhängig von der Eingangsfrequenz an X101 FSUM durch den Rechner eingeschaltet. Die Tiefpässe TP0 bis TP3 sind wie die Tiefpässe TP4 bis TP8 in Kette geschaltet. Filter in der Kette mit höherer Grenzfrequenz als die Grenzfrequenz des gewählten Tiefpasses bleiben eingeschaltet.
Im "Normalbetrieb" wird das RF-Signal über PIN-Schalter (V720, V725, V730, V735), den RF AMPLIFIER 5 und den GaAs-Umschalter D760

auf den Ausgangsverstärker gegeben. Im "Mischerbetrieb" wird das RF-Signal über PIN-Schalter (V725, V707) und den RF AMPLIFIER 4 auf den Detektor vor dem Mischer geschaltet.

7.1.2 Mischer mit LO-, RF- und ZF-Filtern

Das RF-Signal vom Detektor vor dem Mischer wird über den RF-Tiefpaß und ein Dämpfungsglied zur Pegelanpassung auf den RF-Eingang des Mischers geschaltet (Pegel ca. -5 ... -10 dBm). Das Signal von REF600 wird auf ca. 17 dBm verstärkt und gelangt über einen Tiefpaß auf den LO-Eingang des Mischers. Über die ZF-Weiche, den ZF-Verstärker und den ZF-Tiefpaß wird das ZF-Signal auf den RF-Schalter (D760) vor dem Ausgangsverstärker geschaltet (1 kHz ... 93.75 (130.7) MHz, Pegel ca. 0 dBm).
Im Gerätefrequenzbereich zwischen 93.75 MHz und 130.7 MHz wird vom Rechner nur dann vom "Normalbetrieb" auf den "Mischerbetrieb" umgeschaltet, wenn der geforderte FM-Hub 62.5 kHz bzw. der geforderte Phasenhub 0.625 rad übersteigt. In dieser Betriebsart können Nebenwellen > -70 dBc auftreten.

7.1.3 Ausgangsverstärker

Der zweistufige Breitbandverstärker verstärkt das Eingangssignal um ca. 19 dB. Die Kollektorspannung der Endstufe wird geregelt, der Kollektorstrom kommt aus einer Stromquelle.

7.1.4 AM-Signalzweig und RF-Pegel-Sollwert

Durch den AM-Eingangs-Umschalter AM INPUT SELECT können Signale der Leitungen EXT1, INT1 und INT2 summiert und auf den D/A-Wandler zur Modulationsgradeinstellung gegeben werden, wobei bei EXT1 zwischen AC- und DC-Kopplung gewählt werden kann.
Zum AM-Signal wird eine Referenzspannung sowie das Signal CODAM (von Option SME-B11-DM-CODER, Amplitudenanteil der digitalen Modulation) addiert.
Das Summensignal gelangt auf zwei D/A-Wandler RFLEV1 und RFLEV2 auf dem NF-Teil. RFLEV1 ist der D/A-Wandler für den Pegelführungswert, der im normalen Betrieb eingeschaltet ist. Auf RFLEV2 kann bei schnellen elektronischen RF-Pegelwechseln bei digitalen Modulationsarten umgeschaltet werden.

7.1.5 RF-Pegelregelung

Der Pegeldetektor am Ausgang X108 FOPU1 wird bei Gerätefrequenzen > 9.3625 MHz verwendet. Der RF-Pegel an der Diode beträgt ca. +19 dBm. Die Linearisierungsschaltung ermöglicht einen Dynamikbereich von ca. 30 dB bei guter Linearität (wichtig für geringen AM-Klirrfaktor).

Der Pegeldetektor im RF-Zweig vor dem Mischer wird bei Gerätefrequenzen ≤ 9.3625 MHz anstelle des Detektors am Ausgang X108 FOPU1 verwendet. Der RF-Pegel an der Diode beträgt ca. +15 dBm.

Die Pegelregelung erfolgt durch den PI-Regler N335 (NF-Teil). Der Führungswert wird von einem der beiden D/A-Wandler RFLEV1 oder RFLEV2 geliefert und mit dem Istwert von einem der drei Detektoren (VDET, VDETMIX oder VDDET vom Ausgangsteil 3 GHz) je nach Frequenzbereich verglichen. Die Ausgangsspannung des PI-Reglers

regelt das Amplitudenstellglied, und zwar den AM-Modulator auf dem Ausgangsteil 1.5 GHz oder bei Frequenzen > 1.5 GHz den AM-Modulator auf dem Ausgangsteil 3GHz (nur SME 03) nach.

Die 3dB-Bandbreite der Regelschleife wird durch AMSLOW von ca. 500 kHz auf ca. 100 kHz reduziert, wenn keine AM und kein RF-SWEEP eingeschaltet sind (dabei muß die Betriebsart LEVEL ALC BANDWIDTH AUTO eingestellt sein).

Durch Aktivieren von ALCOFF ist es möglich, den Pegel über den RFLEV-D/A-Wandler zu steuern (Betriebsart LEVEL ALC STATE OFF).

Das Aktivieren von KLEMM-N steuert den aktiven AM-Modulator auf maximale Dämpfung, dies wird z.B. bei Frequenzwechseln zur Vermeidung von Pegelspikes verwendet.

7.1.6 LF-Generator

Ein Wienbrückenoszillator erzeugt ein Sinussignal. 4 Frequenzen können gewählt werden. Die Ausgangsamplitude wird geregelt und kann mit R298 auf dem NF-Teil eingestellt werden.

7.1.7 serielle Schnittstelle

Die Baugruppe wird über den SERBUS-D-Baustein seriell angesteuert. Die Baugruppenadresse ist 3C (Subadresse 0) bzw. 3D (Subadresse 1). Die ankommenden Daten werden bei der Subadresse 0 in die Schieberegister D102, D110 und D120 und die D/A-Wandler LPRE, RFLEV1 und RFLEV2 auf dem NF-Teil und bei Subadresse 1 in das Schieberegister D20 und den AM-D/A-Wandler getaktet.

7.1.8 Schaltung zur Diagnoseauswahl

Über den Diagnosemultiplexer kann eine von 8 Gleichspannungen auf die Diagnoseleitung gelegt werden. Der Spannungswert wird im Gerätedisplay angezeigt (UTILITIES, DIAG, TPOINT).

Einstellung am SME	Soll-Spannungsbereich	Hinweis
DIAG - TPOINT 700	0 V ±10 mV	Referenz 10 kOhm nach Masse
DIAG - TPOINT 701	0 V ... 6 V	Detektorspannung Ausgang FOPU1
DIAG - TPOINT 702	0 V ... 6 V	Detektorspannung Mischer
DIAG - TPOINT 703	0.2 V ... 2 V	RF-Pegel nach Filterbank
DIAG - TPOINT 704	-6 V ... 0 V	Führungswert der Pegelregelung
DIAG - TPOINT 705	-1 V ... 10 V	Ausgangsspannung des Regelverstärkers
DIAG - TPOINT 706	-1 V ... 10 V	Steuerspannung des AM-Modulators
DIAG - TPOINT 707	2 V ... 13 V	Steuerspannung des Stellgliedes LPRE

7.2 Meßgeräte und Hilfsmittel

- Servicekit 1039.3520
- Spektrumanalysator (z.B. FSBS)
- Oszilloskop (z.B. BOL)
- Gleichspannungsmeßgerät (Multimeter, z.B. UDL33)
- Netzwerkanalysator bis 3 GHz (z.B. HP 8753)
- Signalgenerator bis 1.5 GHz (z.B. SMGU)

7.3 Fehlersuche

Vor dem Öffnen des Gerätes ist es zweckmäßig, zuerst einmal die Kalibrierroutinen LEV PRESET und LEVEL zu starten und an Hand der Diagnosespannungen der Testpunkte 700 - 707 mögliche Fehlerquellen zu lokalisieren.

7.3.1 Fehler nur im Bereich f ≤ 9.3625 MHz

falscher RF-Pegel an X108	Der Detektor im Mischbereich liefert eine falsche Spannung oder der PI-Regler auf dem NF-Teil wird nicht richtig angesteuert. Spannung VDETMIX mit Diagnose Nr. 702 prüfen.
schlechter AM-Klirrfaktor	Prüfe die Linearisierungsschaltung des Detektors.

7.3.2 Fehler nur im Bereich f ≤ 93.75 MHz

falscher RF-Pegel an X108	Eingang REF600, LO-Verstärker, ZF-Verstärker, RF-Verstärker 4 und die Ansteuerung MIXON-P und MIXON-N der Umschalter prüfen.
Oberwellen zu groß	Prüfe ZF-Verstärker, ZF-Tiefpaß und RF-Schalter D760.
Nebenwellen zu groß	Der Mischer ist defekt oder er wird mit zu hohem Pegel angesteuert (Sollpegel am Mischer-RF-Eingang < -5 dBm).. Prüfe ZF-Verstärker, ZF-Tiefpaß und RF-Schalter D760. Oder der RF-Tiefpaß ist defekt oder der LO-Verstärker liefert zu wenig Pegel (Sollpegel bei R640: +17 dBm).

7.3.3 Fehler im Bereich 1 kHz ≤ f ≤ 1500 MHz

kein RF-Pegel an X108	Die Steuerspannung des AM-Modulators muß jetzt > 12 V sein, sonst arbeitet die Pegelregelung nicht richtig oder der Führungswert vom RFLEV1-D/A-Wandler ist falsch. Diagnose Nr. 703 (Pegel nach Filterbank) prüfen. Mit Spektrumanalysator mit RF-Tastkopf mit DC-Trennung die RF-Kette kontrollieren (die Sollverstärkungen einzelner Verstärkerstufen beträgt ca. 7 dB)

Oberwellen zu groß	Prüfe Filterbank und folgende RF-Verstärker-Kette, prüfe Arbeitspunkte der Verstärker und Arbeitspunktregelungen des Endverstärkers.
Pegelfehler bei der Geräteinstellung "LEVEL - ATTENUATOR MODE FIXED"	Prüfe Detektor und Linearisierungsschaltung.
Stör-Phasenmodulation bei AM zu groß	Prüfe die Ansteuerspannung des AM-Modulators und die Beschaltung. Kalibrierung LEV PRESET am Gerät durchführen.
AM-Klirrfaktor zu groß	Prüfung und Abgleich von Detektor und Linearisierungsschaltung, Kontrolle der AM SLOW-Ansteuerung.

7.3.4 Spektrale Reinheit, delta f < 10 MHz vom Träger

Seitenlinien in ca. 1 MHz Abstand vom Träger; bei blockierter Pegelregelung (ALC OFF) verschwinden diese	Pegel-Regelschleife schwingt; Prüfe Detektor und Linearisierungsschaltung. Kalibrierung LEV PRESET am Gerät durchführen.
Nebenlinien im Abstand kleiner 10 MHz auch bei Funktion ALC OFF	Operationsverstärker auf Eigenschwingung prüfen, Arbeitspunktregelung des Ausgangsverstärkers mit Oszilloskop prüfen.

7.4 Prüfen und Abgleichen

Vorbemerkung: *Neben den Kondensatoren C357, C360, C361, C412, C500, C635, C740, C743, C810, C815, den Widerständen R641, R761, R803 und den Schaltdioden V543, V544 und V520 befinden sich Massedurchkontaktierungen. An einer solchen Stelle kann ein Koaxialkabel eingelötet und über einen Koppelkondensator oder eine externe DC-Trennung ein Meßgerät (z.B. Netzwerk- oder Spektrumanalysator) angeschlossen werden. Hierzu wird das Koaxialkabel durch das Loch gesteckt, der Außenleiter des Koaxialkabels an der Durchkontaktierung und der Innenleiter am gewünschten Anschlußfleck des Kondensators angelötet.*
Zum Servicebetrieb wird anstelle der Baugruppe der Serviceadapter in den Steckplatz eingesetzt und anschließend die Baugruppe auf den Adapter gesteckt. Nachdem die HF-Verbindungen hergestellt worden sind, ist die Baugruppe wieder betriebsbereit.

7.4.1 Prüfen der Datenübertragung

Die Prüfung wird bei den in der Tabelle angegebenen Einstellungen am Gerät durchgeführt.

▶ Prüfung der Spannungen an D20:
"1" = +5 V, "0" = 0 V

Einstellung am SME	Logischer Zustand an D20 Pin14	Pin13	Pin12	Pin11	Hinweis
AM INT LFGEN2	1	0	0	0	AM SOURCE EXT OFF
AM INT LFGEN1	0	1	0	0	AM SOURCE EXT OFF
AM EXT1 DC	0	0	1	0	AM SOURCE INT OFF
AM EXT1 AC	0	0	0	1	AM SOURCE INT OFF

7.4.2 Abgleich des Komparators an EXT1

• Einstellung: **AM SOURCE EXT1**
AM EXT COUPLING AC

▶ An den Geräteeingang EXT1 ein NF-Signal f = 1 kHz mit der Amplitude U = 1.021 V anlegen.
▶ Pot R216 so abgleichen, daß gerade die EXT1-HIGH-Anzeige auf der Frontplatte aufleuchtet.
▶ Test: R216 ist dann richtig abgeglichen, wenn bei Erhöhung der Eingangsspannung an EXT1 von 1.020 V auf 1.021 V die Anzeige EXT1-HIGH im Display aufleuchtet.

7.4.3 Abgleich des NF-Generators LFGEN1

• Einstellung: **LF OUTPUT STATE ON**
LF OUTPUT SOURCE LFGEN1

LF-Frequenz am SME	GINTFREQU-1 D110/12	GINTFREQ-0 D110/13	Hinweis auf dem NF-Teil
0.4 kHz	0	0	400 Hz ± 3%
1 kHz	0	1	1 kHz ± 3%
3 kHz	1	0	3 kHz ± 3%
15 kHz	1	1	15 kHz ± 3%

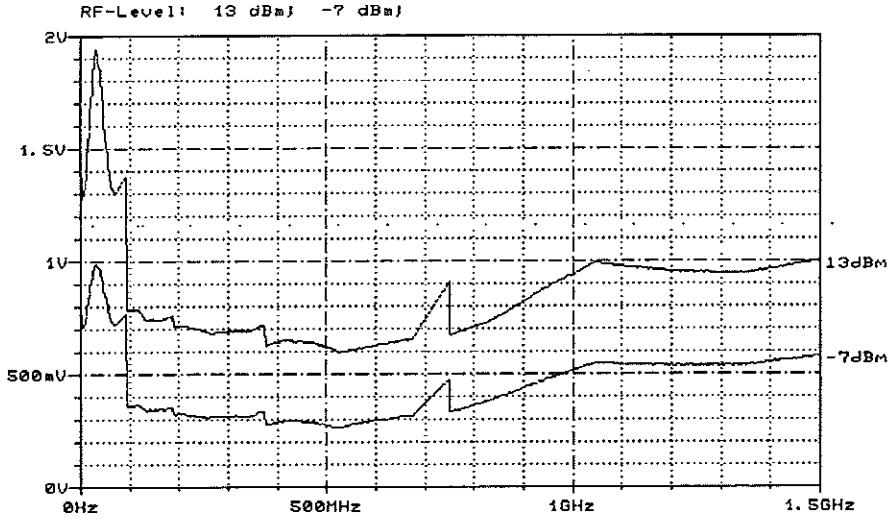
• An den Geräteausgang LF ein NF-Voltmeter mit hochohmigem Eingang anschließen.
▶ Mit Pot R298 (NFTEIL) ist die Amplitude auf 1 V ± 2 mV einzustellen.
• An den Geräteausgang LF über einen Serienwiderstand von 150 Ω einen Spektrumanalysator anschließen (Lastwiderstand des LF-Generators ≥ 200 Ω).
▶ Der Oberwellenabstand muß < -60 dBc sein.

7.4.4 Prüfung der LEVEL PRESET-Einstellung

• Den Geräteausgang RF 50Ω mit 50Ω abschließen.
▶ Über die Diagnose Nr. 707 kann die LEVEL PRESET-Spannung gemessen werden.
Die Spannung ist abhängig von der RF-Frequenz, vom RF-Pegel und von gespeicherten Kalibrierdaten. Der Rechner sendet die berechneten Werte in den LPRE-D/A-Wandler.

- Beim RF-Pegel 13 dBm wird OUTPUT: AMODE FIXED eingestellt, um elektronisch 20 dB abzuregeln.

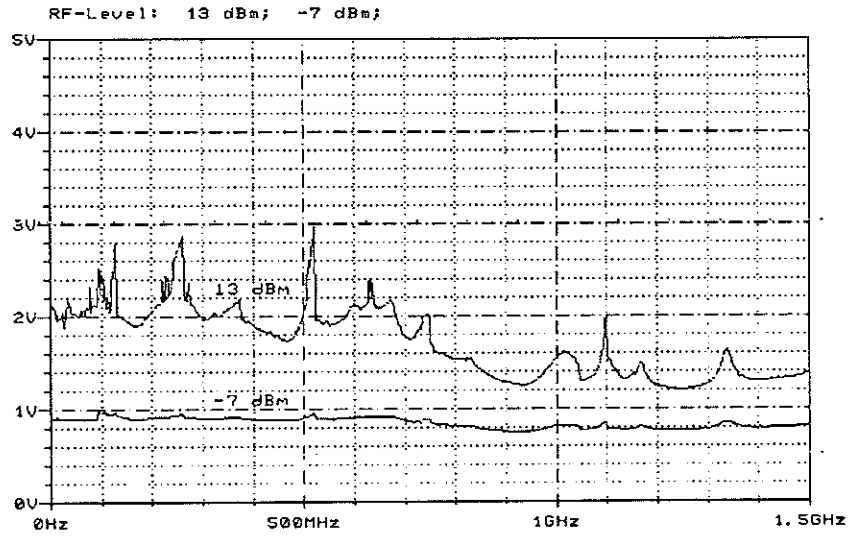
Typische Spannungswerte sind in folgender Abbildung dargestellt:



7.4.5 Prüfung des Regelverstärkers

- Den Geräteausgang RF 50Ω mit 50Ω abschließen.
- ▶ Über die Diagnose Nr. 705 kann die Ausgangsspannung des Regelverstärkers gemessen werden.
  Die Spannung ist abhängig von der RF-Frequenz und vom RF-Pegel und von gespeicherten Kalibrierdaten.

Typische Spannungswerte sind in folgender Abbildung dargestellt:

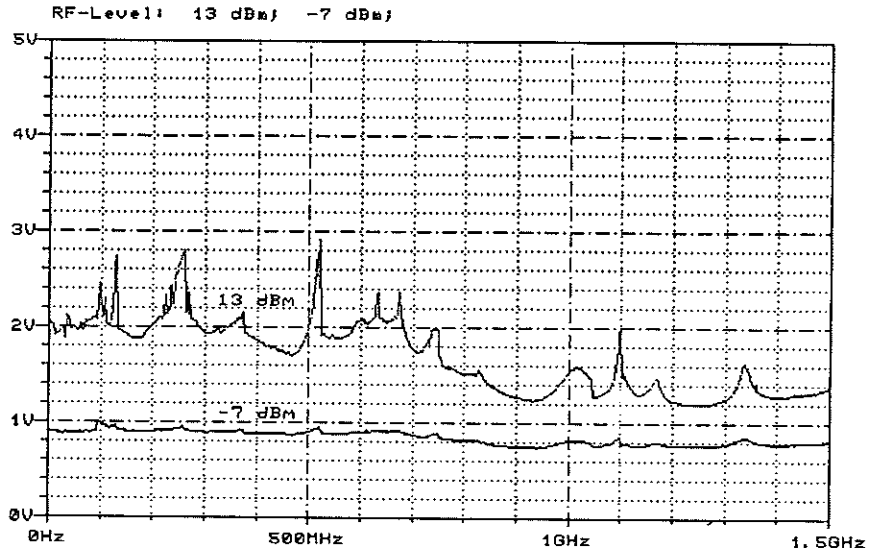


7.4.6 Prüfung des AM-Modulator-Arbeitspunktes

- Den Geräteausgang RF 50Ω mit 50Ω abschließen.

- ▶ Über die Diagnose Nr. 706 kann die Steuerspannung des AM-Modulators auf dem Ausgangsteil 1.5 GHz gemessen werden. Bei RF-Frequenzen > 1.5 GHz (nur SME 03) wird der AM-Modulator auf dem Ausgangsteil 1.5 GHz auf Minimaldämpfung gesteuert.
- • Beim RF-Pegel 13 dBm wird OUTPUT: AMODE FIXED eingestellt, um elektronisch 20 dB abzuregeln.

Typische Spannungswerte sind in folgender Abbildung dargestellt:



7.4.7 Prüfung der Arbeitspunkte der Verstärkerstufen

Prüfpunkt (TPOINT)	Sollspannung	Bemerkung
N300/3	4.80 ± 0.8V	RF AMPLIFIER 1
N360/3	4.80 ± 0.8V	RF AMPLIFIER 2
N410/3	4.80 ± 0.8V	RF AMPLIFIER 3
V602 Kollektor	8.80 ± 0.3V	RF AMPLIFIER 4
N620/3	5.50 ± 0.3V	LO AMPLIFIER
V612 Kollektor	5.90 ± 0.3V	IF AMPLIFIER
N740/3	4.80 ± 0.8V	RF AMPLIFIER 5
N820/3	6.30 ± 0.3V	DRIVER
V822 Kollektor	16.60 ± 0.3V	OUTPUT AMPLIFIER

7.4.8 Prüfung der Ansteuerung der Filterbank

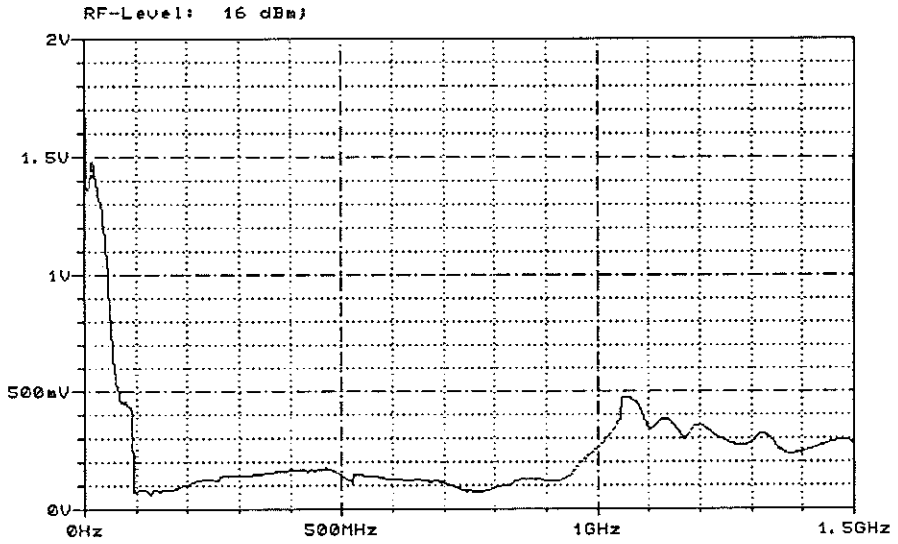
- ▶ Prüfung von LPSELECT-0 ... LPSELECT-3 am Stecker X1 NF-Teil und der Schaltleitungen TP0 ... TP8 auf dem Ausgangsteil bei gegebener Frequenzeinstellung am SME

RF-Frequenz am SME	LPSELECT- 3 D110/7	2 D110/6	1 D110/5	0 D110/4	Hinweis auf dem NF-Teil
1500.00 MHz	0	0	0	0	Tiefpaß 0
1045.60 MHz	0	0	0	1	Tiefpaß 1
750.00 MHz	0	0	1	0	Tiefpaß 2
522.80 MHz	0	0	1	1	Tiefpaß 3
375.00 MHz	0	1	0	0	Tiefpaß 4
261.40 MHz	0	1	0	1	Tiefpaß 5
187.50 MHz	0	1	1	0	Tiefpaß 6
130.70 MHz	0	1	1	1	Tiefpaß 7
93.75 MHz	0	0	1	0	Tiefpaß 2, Mischerbereich

7.4.9 Prüfung des RF-Pegels nach der Filterbank

- Den Geräteausgang RF 50Ω mit 50Ω abschließen.
- Einstellung: **RF LEVEL 16 dBm**
- ▶ Über die Diagnose Nr. 703 kann die gleichgerichtete HF-Spannung gemessen werden.

Typische Spannungswerte sind in folgender Abbildung dargestellt:



7.4.10 Abgleich der ZF-Verstärkung

- Spektrumanalysator an Geräteausgang RF 50Ω anschließen
- Einstellung: **FREQUENCY 9.362501 MHz**
  LEVEL 13 dBm
  LEVEL UCOR STATE OFF
- ▶ RF-Signal messen, RF-Pegel merken
- ▶ RF-Frequenz um 1 Hz erniedrigen
- ▶ Mit Pot R645 den RF-Pegel auf den gleichen Wert einstellen
- ▶ Nach dem Abgleich müssen die Kalibrierroutinen LEVEL und LEV PRESET aufgerufen werden.

7.4.11 Abgleich der ZF-Detektor-Linearität

Einstellung:
FREQUENCY 9.3625 MHz
LEVEL 10 dBm

▶ Ausgangspegel am RF-Ausgang des Gerätes messen und merken (= Referenzpegel)

• Einstellung:
LEVEL - ATTENUATOR MODE FIXED
LEVEL -10 dBm

▶ Mit POT R619 so abgleichen, daß der gemessene Pegel 20 dB unter dem zuvor gemessenen Referenzpegel liegt.

▶ Abgleich einmal wiederholen, da sich der Referenzwert mit R619 geringfügig ändert; die Genauigkeit der 20dB-Absenkung soll nach dem Abgleich ± 0.1 dB erreichen.

7.4.12 Abgleich der Detektor-Linearität am Ausgang FOPU1

Einstellung:
FREQUENCY 1 GHz
LEVEL 10 dBm

▶ Ausgangspegel am RF-Ausgang des Gerätes messen und merken (= Referenzpegel)

• Einstellung:
LEVEL - ATTENUATOR MODE FIXED
LEVEL -10 dBm

▶ Mit POT R851 so abgleichen, daß der gemessene Pegel 20 dB unter dem zuvor gemessenen Referenzpegel liegt.

▶ Abgleich einmal wiederholen, da sich der Referenzwert mit R851 ändert; die Genauigkeit der 20dB-Absenkung soll nach dem Abgleich ± 0.1 dB erreichen.

7.4.13 Abgleich des AM-Modulationsgrades

Einstellung:
Instr PRESET
LEVEL 7 dBm
AM DEPTH 100%
AM SOURCE EXT EXT1
AM EXT COUPLING DC
UTILITIES DIAG TPOINT STATE ON
TEST POINT 704

• Eine Gleichspannung U = -1.000 V am Geräteeingang EXT1 anlegen.

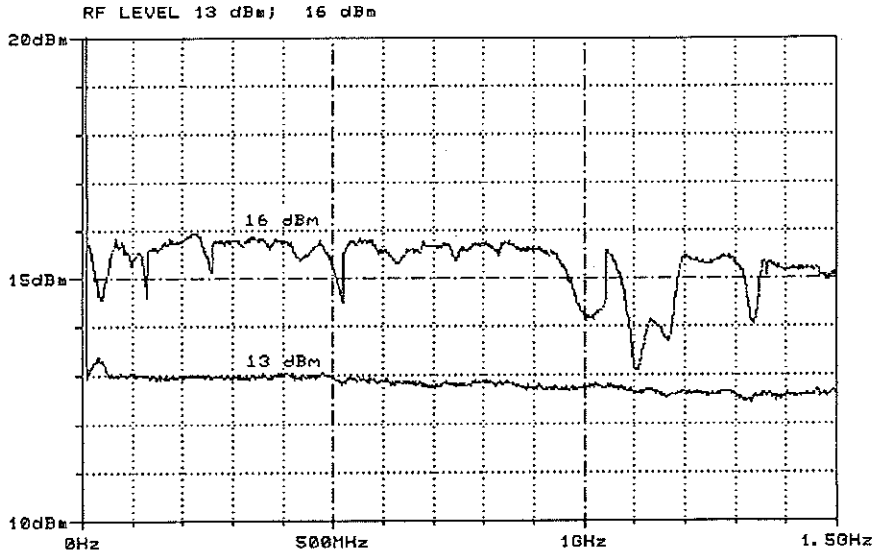
▶ Mit POT R214 auf eine Diagnosespannung Udiag = 0 V abgleichen.

7.4.14 Prüfen des maximalen Ausgangspegels

• Einstellung:
RF-SWEEP ON
START FREQ 1 MHz
STOP FREQ 1.5 GHz
STEP LIN 0.22 MHz
DWELL 22 ms
SPACING LIN
MODE AUTO
LEVEL 16 dBm

▶ An X108 FOPU1 einen Spektrumanalysator anschließen.

Typische Pegelwerte sind in folgender Abbildung dargestellt:

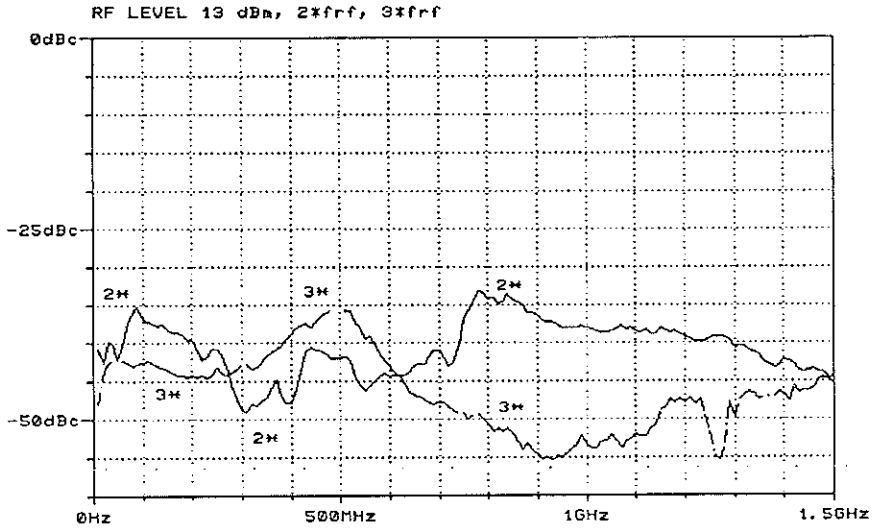


7.4.15 Prüfen des Oberwellenabstandes

- Einstellung: **LEVEL 13 dBm**

▶ An X108 FOPU1 einen Spektrumanalysator anschließen.
▶ Der Pegel der Harmonischen muß < -30 dBc sein.

Typische Meßwerte für $2*f_{RF}$ und $3*f_{RF}$ sind in folgender Abbildung dargestellt:



7.4.16 Prüfen des Nebenwellenabstandes

- Einstellung: **FREQUENZ 93 MHz**
  LEVEL 13 dBm

▶ An X108 FOPU1 einen Spektrumanalysator anschließen.
▶ Nebenwellen bei folgenden Frequenzen prüfen:
693 MHz, 1386 MHz, 600 MHz, 1200 MHz, 1800 MHz, 507 MHz, 414 MHz, 321 MHz, 228 MHz, 135 MHz, 42 MHz und 51 MHz.

▶ Der Pegel der Nebenwellen muß < -80 dBc sein.

7.5 Zerlegung und Zusammenbau

Nach dem Öffnen des Gerätes, dem Entriegeln der Baugruppensicherung durch Lösen der Schrauben an den Seiten des Motherboards und dem Lösen der Koaxial-Verbindungen an X101, X106, X108 und X108 kann die Baugruppe aus ihrem Steckplatz entnommen werden. Die Schirmdeckel der Baugruppe sind normal verschraubt. Das NF-Teil ist mit 4 Schrauben auf dem Ausgangsteil 1.5 GHz befestigt. Nach dem Lösen dieser Schrauben kann man das NF-Teil aus dem Stecker X1 pressen, indem man die Schraubenköpfe gegen die Lötseite der Ausgangsteils 1.5 GHz drückt.

7.6 Externe Schnittstellen

Pin	Name	Ein/Ausgang	Herkunft/Ziel	Wertebereich	Signalbeschreibung
X10A.01	BLANK	Eingang	A3, CPU	HCMOS-Pegel	RF-Pegelaustastung
X10A.04	EXT1	Eingang	A3, FRO	-15 V bis 15 V	externer AM-Eingang
X10A.05	EXT2	Eingang	A3, FRO	-15 V bis 15 V	externer AM-Eingang
X10A.06	INT1	Eingang	A5, MGEN/LFGEN	-15 V bis 15 V	interner AM-Eingang
X10A.07	INT2	Eingang	A5, MGEN/LFGEN	-15 V bis 15 V	interner AM-Eingang
X10A.08	VDAM	Ausgang	A11, OPU3	0.5 V bis 10 V	Steuerspannung AM MODULATOR
X10A.09	CODAM	Eingang	A8, DSYN	-1 V bis 1 V	Amplitudenanteil digit. Mod.
X10A.12	SERBUS-CLK	Eingang	A3, CPU	HCMOS-Pegel	Serbus-Clock
X10A.14 X10A.15	SERBUS-DAT	bidir.	A3, CPU	HCMOS-Pegel	Serbus-Daten
X10A.16	SERBUS-SYNC	Eingang	A3, CPU	HCMOS-Pegel	Serbus-Synchronisation
X10A.17	SERBUS-INT	Ausgang	A3, CPU	HCMOS-Pegel	Serbus-Interrupt
X10A.18	RES-P	Eingang	A3, CPU	HCMOS-Pegel	Serbus-Reset
X10A.19	DIAG-5V	Ausgang	A3, CPU	-5 V...5 V	Diagnose
X10A.22 X10B.22	VA24-P	Eingang	A2, POWS1	23.4 V...24.6 V 122 ± 5 mA	Versorgungsspannung analog
X10A.24 X10B.24	VA15-P	Eingang	A2, POWS1	14.80 V...15.75 V 700 ± 50 mA	Versorgungsspannung analog
X10A.28 X10B.28	VD-5P	Eingang	A2, POWS1	5.10 V...5.25 V 22 ± 3 mA	Versorgungsspannung digital
X10A.30 X10B.30	VA15-N	Eingang	A2, POWS1	-15.75 V...-14.85 V 186 ± 10 mA	Versorgungsspannung analog
X10A.32	LSWI	Eingang	A8, DSYN	HCMOS-Pegel	Level Switch

X10B.06	GOUT	Ausgang	A5, MGEN	±1 V	LF-Generator
X10B.14	ALARM	Ausgang	Testausgang	HCMOS-Pegel	Fehler in Pegelregelung
X10B.15	WR1	Ausgang	Testausgang	HCMOS-Pegel	Writesignal nach SERBUS
X10B.16	CLK1	Ausgang	Testausgang	HCMOS-Pegel	Clocksignal nach SERBUS
X10B.17	DATA	Ausgang	Testausgang	HCMOS-Pegel	Datensignal nach SERBUS
X10B.18	WR2	Ausgang	Testausgang	HCMOS-Pegel	Writesignal nach SERBUS
X10B.19	CLK2	Ausgang	Testausgang	HCMOS-Pegel	Clocksignal nach SERBUS
X101	FSUM	Eingang	A9, SUM		6 dBm ... 9 dBm RF-Eingang
X105	REF600	Eingang	A7, REFSS		10 dBm ± 1 dB, 600 MHz
X108	FOPU1	Ausgang	A11, OPU3	0...20 dBm	RF-Ausgang 5 kHz bis 1.5 GHz
X119	VDDET	Eingang	A11, OPU3	1 V...10 V	Detektor-Ausgangsspannung

ROHDE&SCHWARZ

SERVICE INSTRUCTIONS

Output Module 1.5 GHz

1038.7780.06

Contents

7.	**Checking and Repair of the Module**	5
7.1	**Functional Description**	5
7.1.1	RF Signal Processing	5
7.1.2	Mixer with LO, RF and IF Filters	6
7.1.3	Output Amplifier	6
7.1.4	AM Signal and Nominal Value of RF Level	6
7.1.5	RF Level Control	6
7.1.6	LF Generator	7
7.1.7	Serial Interface	7
7.1.8	Circuit for Diagnostics Selection	7
7.2	**Measuring Equipment and Accessories**	7
7.3	**Troubleshooting**	8
7.3.1	Errors Occurring only in the Range f ≤ 9.3625 MHz	8
7.3.2	Errors Occurring only in the Range f ≤ 93.75 MHz	8
7.3.3	Errors Occuring in the Range 1 kHz ≤ f ≤ 1500 MHz	8
7.3.4	Spectral Purity, Offset Frequency < 10 MHz from the Carrier Frequency	9
7.4	**Checking and Adjustment**	9
7.4.1	Data Transmission Check	9
7.4.2	Comparator Adjustment of Input EXT1	10
7.4.3	AF Generator LFGEN1 Adjustment	10
7.4.4	LEVEL PRESET Check	10
7.4.5	ALC Amplifier Check	11
7.4.6	Checking the Operating Point of the AM Modulator	11
7.4.7	Checking the Operating Points of the Amplifiers	12
7.4.8	Checking the Harmonic Filter Control	12
7.4.9	Checking the RF Level at the Harmonic Filter Output	13
7.4.10	IF Gain Adjustment	13
7.4.11	IF Detector Linearity Adjustment	14
7.4.12	Detector Linearity Adjustment at the Output FOPU1	14
7.4.13	AM Depth Adjustment	14
7.4.14	Maximum Output Level Check	14
7.4.15	Harmonics Check	15
7.4.16	Nonharmonics Check	15
7.5	**Removal and Assembly**	16
7.6	**Interface Description**	16

Part list
Coordinates list
Circuit diagram
Layout diagram

7. Checking and Repair of the Module

7.1 Functional Description

This section describes the output module 1.5 GHz and the LF module. Both modules form a function unit, which is why an individual description for each of the modules is not helpful.

The output module 1.5 GHz is stimulated with the RF signal in the range 93.75 MHz < f ≤ 1500 MHz by the summing loop (input FSUM, 6 dBm to 9 dBm). This RF signal is passed via an amplitude modulator and an amplitude control circuit to switchable harmonic filters. The output frequency range of 5 kHz to 93.75 (130.7) MHz is realized in the signal path via changeover switches by means of downconversion with a 600-MHz LO.

The module consists of the subsequent function units:
- A first AM modulator for level control and amplitude modulation,
- a second AM modulator for level presetting (LEVEL PRESET),
- switchable harmonic filters,
- a mixer with LO, RF and IF filters,
- a level detector in the RF path preceding the mixer,
- an output amplifier,
- a level detector at the output FOPU1,
- a signal path for processing the nominal value of the RF level incl. the amplitude modulation,
- the RF level control
- a LF generator,
- a serial interface and
- a circuit for diagnostic selection.

Further information on levels apply for an instrument output level of +13 dBm.

7.1.1 RF Signal Processing

The input X101 FSUM is followed by an attenuator for temperature compensation. The attenuator is followed by the first AM MODULATOR. It is used as a control element for ALC in the range f ≤ 1.5 GHz. In case of the SME 03 with frequencies > 1.5 GHz, the control voltage is switched to a fixed value, the first AM MODULATOR is then set to minimum attenuation.

The RF signal is amplified by RF AMPLIFIER 1 and RF AMPLIFIER 2 and passed to the second AM modulator LEVEL PRESET. This modulator is set by means of stored calibration data via a D/A converter in such a manner that the control circuit for level control can operate in an optimum operating point. (cf. operating manual "Calibration LEV PRESET").

The RF signal is amplified by the RF AMPLIFIER 3 and routed to switchable HARMONIC FILTERS. These filters are switched on by the controller depending on the input frequency at X101 FSUM. Similar to the lowpasses TP4 to TP8, the lowpasses TP0 to TP3 are cascaded. Filters in the cascade which have a higher cutoff frequency than the cutoff frequency of the lowpass selected remain switched on. In "normal operation", the RF signal passes via PIN switches (V720, V725, V730, V735), the RF AMPLIFIER 5 and the GaAs

switch D760 to the output amplifier. In "mixer operation" the RF signal is passed via the PIN switches (V725, V707) and the RF AMPLIFIER 4 to the detector preceding the mixer.

7.1.2 Mixer with LO, RF and IF Filters

The RF signal supplied by the detector preceding the mixer passes through the RF lowpass and an attenuator to the RF input of the mixer (level approx. -5 to -10 dBm). The signal of REF600 is amplified to approx. 17 dBm and passes via a lowpass to the LO input of the mixer. The IF signal reaches the RF switch (D760) preceding the output amplifier via the IF diplexer, the IF amplifier and the IF lowpass (1 kHz to 93.75 (130.7) MHz, level approx. 0 dBm).
In the instrument frequency range between 93.75 MHz and 130.7 MHz, the controller only switches over from "normal operation" to "mixer operation" , when the FM deviation exceeds 62.5 kHz or when the phase deviation exceeds 0.625 rad. In this operating mode, spurious signals > -70 dBc may occur.

7.1.3 Output Amplifier

The two-stage broadband amplifier amplifies the input signal by approx. 19 dB. The collector voltage of the output stage is regulated, the collector current is supplied by a current source.

7.1.4 AM Signal and Nominal Value of RF Level

Signals of the lines EXT1, INT1 and INT2 can be summed up by the AM INPUT SELECT unit and are passed to the D/A converter for setting the modulation depth. AC or DC coupling can be selected for EXT1.
A reference voltage and the signal CODAM (of option SME-B11-DM-CODER, amplitude portion of digital modulation) are added to the AM signal.
The sum signal passes to two D/A converters RFLEV1 and RFLEV2 on the LF Module. RFLEV1 is the D/A converter for the reference level, which is switched on in normal operation. RFLEV2 can be switched on in case of fast electronic RF level changes with digital modulation.

7.1.5 RF Level Control

The level detector at the output X108 FOPU1 is used with instrument frequencies > 9.3625 MHz. The RF level at the diode is approx. +19 dBm. The linearization circuit allows for a dynamic range of approx. 30 dB with good linearity (important for low AM distortion).

The level detector in the RF path preceding the mixer is used with instrument frequencies ≤ 9.3625 MHz instead of the detector at the output X108 FOPU1. The RF level at the diode is approx. +15 dBm.

The level is controlled by the Integrator N335 (LF Module). The reference value is supplied by one of the two D/A converters RFLEV1 or RFLEV2 and compared to the actual value of one of the three detectors (VDET, VDETMIX or VDDET from the output module 3 GHz) according to the frequency range. The output voltage of the integrator adjusts the amplitude control circuit, i.e., the first

AM modulator on the output module 1.5 GHz or, with frequencies > 1.5 GHz, the AM modulator on the output module 3 GHz (SME 03 only).

In the operating mode LEVEL ALC BANDWIDTH AUTO, the 3-dB bandwidth of the control loop is reduced by AMSLOW from approx. 500 kHz to approx. 100 kHz, if no AM and no RF-SWEEP is switched on.

Activating ALCOFF allows for controlling the level via the RFLEV D/A converter with the ALC loop open (operating mode LEVEL ALC STATE OFF).

Activating KLEMM-N sets the active AM modulator to maximum attenuation, which is used, e.g., for frequency changes in order to avoid level spikes.

7.1.6 LF Generator

A Wien oscillator generates the sinewave signal. Four frequencies can be selected. The output amplitude can be set by means of R298 on the LF Module.

7.1.7 Serial Interface

The module is serially controlled via the SERBUS-D component. The module address is 3C (subaddress 0) or 3D (subaddress 1). The incoming data are clocked at the subaddress 0 into the shift registers D102, D110 and D120 and the D/A converters LPRE, RFLEV1 and RFLEV2 on the LF Module and at the subaddress 1 into the shift register D20 and the AM D/A converter.

7.1.8 Circuit for Diagnostics Selection

One of eight DC voltages can be applied to the diagnostic line via the diagnostic multiplexer. The voltage value is displayed on the instrument (UTILITIES, DIAG, TPOINT).

Setting on SME	Nominal voltage range	Note
DIAG - TPOINT 700	0 V ±10 mV	10-kOhm reference to ground
DIAG - TPOINT 701	0 V ... 6 V	Detector voltage output FOPU1
DIAG - TPOINT 702	0 V ... 6 V	Detector voltage mixer
DIAG - TPOINT 703	0.2 V ... 2 V	RF level to filter-bank
DIAG - TPOINT 704	-6 V ... 0 V	Reference value of level control
DIAG - TPOINT 705	-1 V ... 10 V	Output voltage of the control amplifier
DIAG - TPOINT 706	-1 V ... 10 V	Control voltage of the AM modulator
DIAG - TPOINT 707	2 V ... 13 V	Control voltage of the control element LPRE

7.2 Measuring Equipment and Accessories

- Servicekit 1039.3520
- Spectrum analyzer (e.g., FSBS)
- Oscilloscope (e.g., BOL)
- DC power meter (multimeter, e.g., UDL33)
- Netzwork analyzer up to 3 GHz (e.g., HP 8753)
- Signal generator up to 1.5 GHz (e.g., SMGU)

7.3 Troubleshooting

Before opening the instrument, it is useful to start the calibration routines LEV PRESET and LEVEL and localize possible error sources using the diagnostic voltages of the test points 700 to 707.

7.3.1 Errors Occurring only in the Range f ≤ 9.3625 MHz

Incorrect RF level at X108	Either the detector in the mixed range supplies an incorrect voltage or the integrator on the LF Module is not controlled correctly. Check voltage VDETMIX using diagnostic No. 702.
Bad AM distortion	Check the linearization circuit of the detector.

7.3.2 Errors Occurring only in the Range f ≤ 93.75 MHz

Incorrect RF level at X108	Check input REF600, LO amplifier, IF amplifier, RF amplifier 4 and MIXON-P and MIXON-N of the changeover switch Check input REF600, LO amplifier, IF amplifier, RF amplifier 4 and the control MIXO -P and MIXON-N of the changeover switch Check IF amplifier, IF lowpass and RF switch D760.
Spurious signals too high	The mixer is either faulty or its input level is too high (nominal level at the mixer-RF input < -5 dBm). Check IF amplifier, IF lowpass and RF switch D760. Or the RF lowpass is faulty or the LO amplifier supplies insufficient level (nominal level at R640: +17 dBm).

7.3.3 Errors Occuring in the Range 1 kHz ≤ f ≤ 1500 MHz

No RF level at X108	The control voltage of the AM modulator must now be > 12 V, otherwise, the level control does not work correctly or the reference value of RFLEV1-D/A converter is incorrect. Check Diagnostic No. 703. Check the RF signal path using a spectrum analyzer with RF probe providing DC isolation (the gain of the amplifier stages is approx. 7 dB)

Harmonics too high	Check harmonic filters and subsequent RF amplifiers, check operating points of the amplifiers and operating point control circuit of the output amplifier.
Level error with instrument setting "LEVEL - ATTENUATOR MODE FIXED"	Check detector and linearization circuit.
Incidential phase modulation with AM too high	Check the control voltage of the first AM modulator and the circuitry. Perform LEV PRESET calibration.
AM distortion too high	Adjust and check detector, linearization circuit,and AM SLOW control.

7.3.4 Spectral Purity, Offset Frequency < 10 MHz from the Carrier Frequency

Spurious signals at approx. 1 MHz from carrier; they disappear, when the ALC OFF Mode is disabled.	ALC loop oscillates. Check detector and linearization circuit. Perform LEV PRESET calibration.
Spurious signals < 10 MHz from carrier with ALC OFF Mode enabled	Check oscillation of operational amplifiers, check operating point control circuit of the output amplifier.

7.4 Checking and Adjustment

Hints: *Ground via-holes have been fitted next to the capacitors C357, C360, C361, C412, C500, C635, C740, C743, C810, C815, the resistors R641, R761, R803 and the switching diodes V543, V544 and V520. A coaxial cable can be soldered in at such a location and a test instrument can be connected via a coupling capacitor or an external DC isolation (e.g., a network or spectrum analyzer). Therefore, the coaxial cable is routed through the hole, the external conductor is soldered at the via-hole and the inner conductor at the desired location. For service purposes, the service adapter is inserted into the slot instead of the module. The module is plugged into the adapter, subsequently. The module is ready for operation after connecting the RF connections.*

7.4.1 Data Transmission Check

The test is performed with the instrument settings listed in the table.

▶ Check the voltages at D20:
"1" = +5 V, "0" = 0 V

Setting on SME	Logic State at D20 Pin14	Pin13	Pin12	Pin11	Note
AM INT LFGEN2	1	0	0	0	AM SOURCE EXT OFF
AM INT LFGEN1	0	1	0	0	AM SOURCE EXT OFF
AM EXT1 DC	0	0	1	0	AM SOURCE INT OFF
AM EXT1 AC	0	0	0	1	AM SOURCE INT OFF

7.4.2 Comparator Adjustment of Input EXT1

• Setting: **AM SOURCE EXT1**
AM EXT COUPLING AC

▶ Apply an AF signal f = 1 kHz with the amplitude U = 1.021 V to the input EXT1.
▶ Adjust R216 such that the EXT1-HIGH LED on the front panel just lights up.
▶ Test: R216 has been adjusted correctly if EXT1-HIGH is visible on the display with increase of the input voltage at EXT1 from 1.020 V to 1.021 V.

7.4.3 AF Generator LFGEN1 Adjustment

• Setting: **LF OUTPUT STATE ON**
LF OUTPUT SOURCE LFGEN1

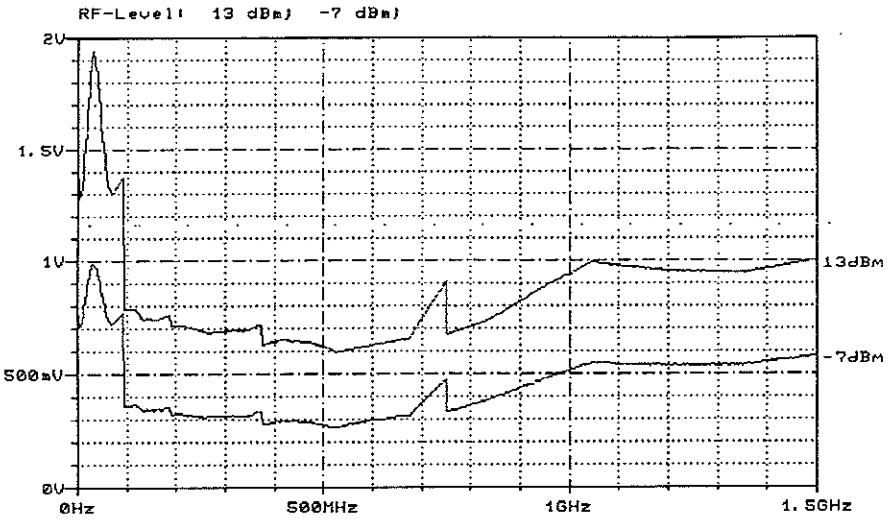
LF frequency on SME	GINTFREQU-1 D110/12	GINTFREQ-0 D110/13	Note on the LF Module
0.4 kHz	0	0	400 Hz ± 3%
1 kHz	0	1	1 kHz ± 3%
3 kHz	1	0	3 kHz ± 3%
15 kHz	1	1	15 kHz ± 3%

• Connect an AF voltmeter with high-impedance input to the instrument output LF.
▶ Set the amplitude to 1 V ± 2 mV using R298 (LF Module). Connect a spectrum analysator to the instrument output LF via a series resistor of 150 Ω (load resistance of the LF generator ≥ 200 Ω).
▶ The harmonics must be < -60 dBc.

7.4.4 LEVEL PRESET Check

• Terminate the instrument output RF 50Ω with a 50Ω load.
▶ The LEVEL PRESET voltage can be measured via the diagnostic No.707.
The voltage depends on the RF frequency, the RF level and on the stored calibration data. The controller transmits the calculated values to the LPRE D/A converter.
• OUTPUT: AMODE FIXED is set with an RF level of 13 dBm, in order to electronically attenuate 20 dB.

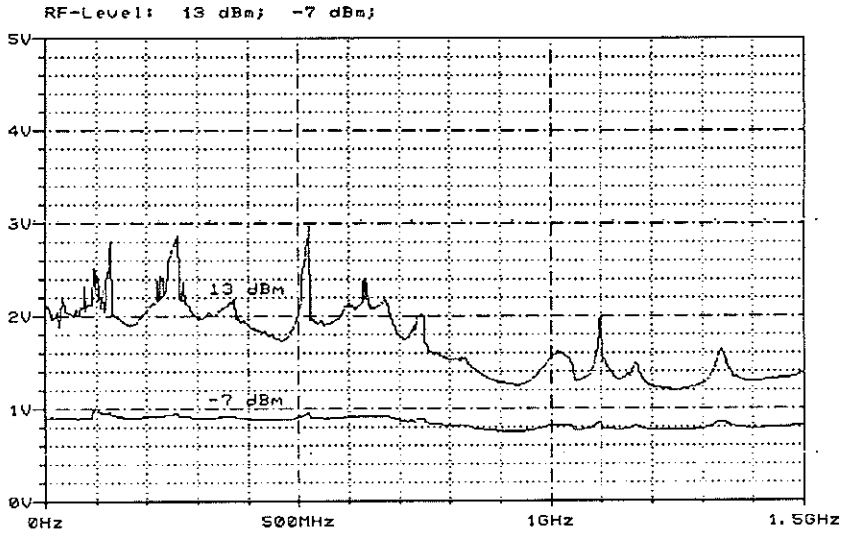
Typical voltages are illustrated by the figure below:



7.4.5 ALC Amplifier Check

- Terminate the instrument output RF 50Ω with a 50Ω load.
- ▶ The output voltage of the ALC amplifier can be measured via diagnostic No. 705.
  The voltage depends on the RF frequency, the RF level and the stored calibration data.

Typical voltages are illustrated by the figure below:

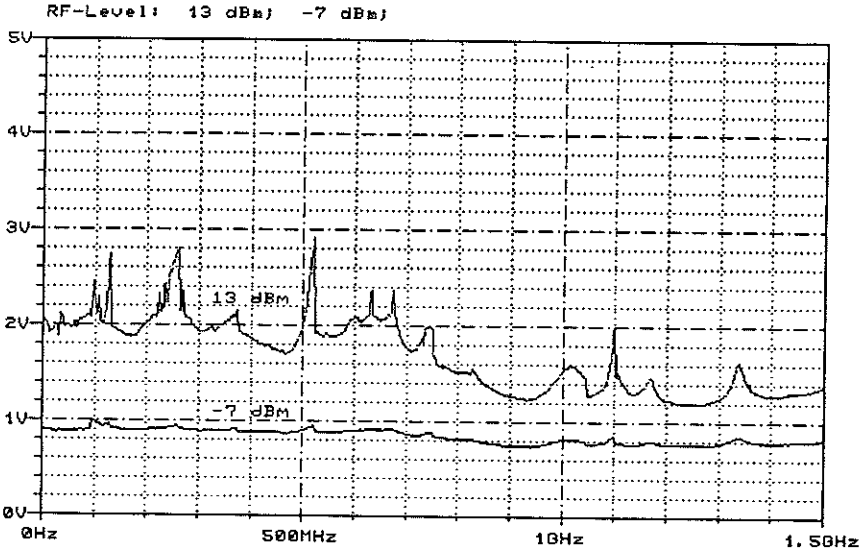


7.4.6 Checking the Operating Point of the AM Modulator

- Terminate the instrument output RF 50Ω with a 50Ω load.
- ▶ The control voltage of the AM Modulator on the output module 1.5 GHz can be measured via diagnostic No. 706.
  The AM modulator on the output module 1.5 GHz is set to minimum attenuation with RF frequencies > 1.5 GHz (SME 03 only).

OUTPUT: AMODE FIXED is set with an RF level of 13 dBm, in order to electronically attenuate 20 dB.

Typical voltages are illustrated by the figure below:



7.4.7 Checking the Operating Points of the Amplifiers

Test Point (TPOINT)	Nominal voltage	Remark
N300/3	4.80 ± 0.8V	RF AMPLIFIER 1
N360/3	4.80 ± 0.8V	RF AMPLIFIER 2
N410/3	4.80 ± 0.8V	RF AMPLIFIER 3
V602 Collector	8.80 ± 0.3V	RF AMPLIFIER 4
N620/3	5.50 ± 0.3V	LO AMPLIFIER
V612 Collector	5.90 ± 0.3V	IF AMPLIFIER
N740/3	4.80 ± 0.8V	RF AMPLIFIER 5
N820/3	6.30 ± 0.3V	DRIVER
V822 Collector	16.60 ± 0.3V	OUTPUT AMPLIFIER

7.4.8 Checking the Harmonic Filter Control

- Check LPSELECT-0 to LPSELECT-3 at the connector X1 on the LF Module and the lines TP0 to TP8 on the output module with given frequency setting on the SME.

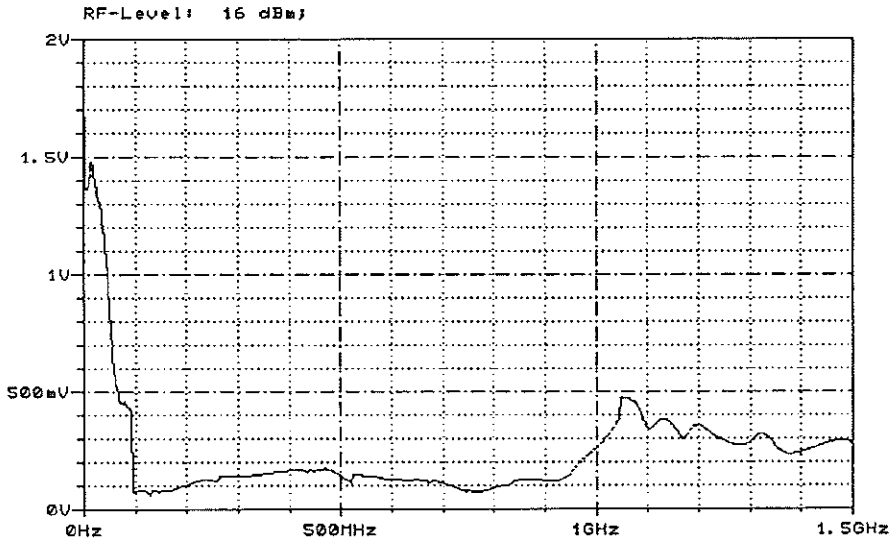
RF frequency on the SME	LPSELECT- 3 D110/7	2 D110/6	1 D110/5	0 D110/4	Note on the LF Module
1500.00 MHz	0	0	0	0	Lowpass 0
1045.60 MHz	0	0	0	1	Lowpass 1
750.00 MHz	0	0	1	0	Lowpass 2
522.80 MHz	0	0	1	1	Lowpass 3
375.00 MHz	0	1	0	0	Lowpass 4
261.40 MHz	0	1	0	1	Lowpass 5
187.50 MHz	0	1	1	0	Lowpass 6
130.70 MHz	0	1	1	1	Lowpass 7
93.75 MHz	0	0	1	0	Lowpass 2, Mixer range

7.4.9 Checking the RF Level at the Harmonic Filter Output

- Terminate the instrument output 50Ω with a 50Ω load.
- Setting: **RF LEVEL 16 dBm**

▶ The rectified RF voltage can be measured via diagnostic No. 703.

Typical voltages are illustrated by the figure below:



7.4.10 IF Gain Adjustment

- Connect a spectrum analyzer to the instrument output RF 50Ω.
- Setting: **FREQUENCY 9.362501 MHz**
  LEVEL 13 dBm
  LEVEL UCOR STATE OFF

▶ Measure RF signal, note RF level
▶ Decrease RF frequency by 1 Hz
▶ Adjust the level to the same value using R645
▶ Subsequent to adjustment, the calibration routines LEVEL and LEV PRESET must be performed.

7.4.11 IF Detector Linearity Adjustment

- Setting: FREQUENCY 9.3625 MHz
  LEVEL 10 dBm

▶ Measure and note the output level at the RF output of the instrument (= reference level)

- Setting: LEVEL - ATTENUATOR MODE FIXED
  LEVEL -10 dBm

▶ Adjust R619 that the measured level is 20 dB below the reference level measured before.

▶ Repeat adjustment once, since the reference value slightly changes with use of R619; after the adjustment, the accuracy of the 20-dB reduction shall reach ± 0.1 dB.

7.4.12 Detector Linearity Adjustment at the Output FOPU1

- Setting: FREQUENCY 1 GHz
  LEVEL 10 dBm

▶ Measure and note the output level at the RF output of the instrument(= reference level)

- Setting: LEVEL - ATTENUATOR MODE FIXED
  LEVEL -10 dBm

▶ Adjust R851 that the measured level is 20 dB below the reference level measured before.

▶ Repeat adjustment once, since the reference value changes with use of R851; after the adjustment, the accuracy of the 20-dB reduction shall reach ± 0.1 dB.

7.4.13 AM Depth Adjustment

- Setting: Instr PRESET
  LEVEL 7 dBm
  AM DEPTH 100%
  AM SOURCE EXT EXT1
  AM EXT COUPLING DC
  UTILITIES DIAG TPOINT STATE ON
  TEST POINT 704

▶ Connect a DC source U = -1.000 V to the instrument input EXT1.

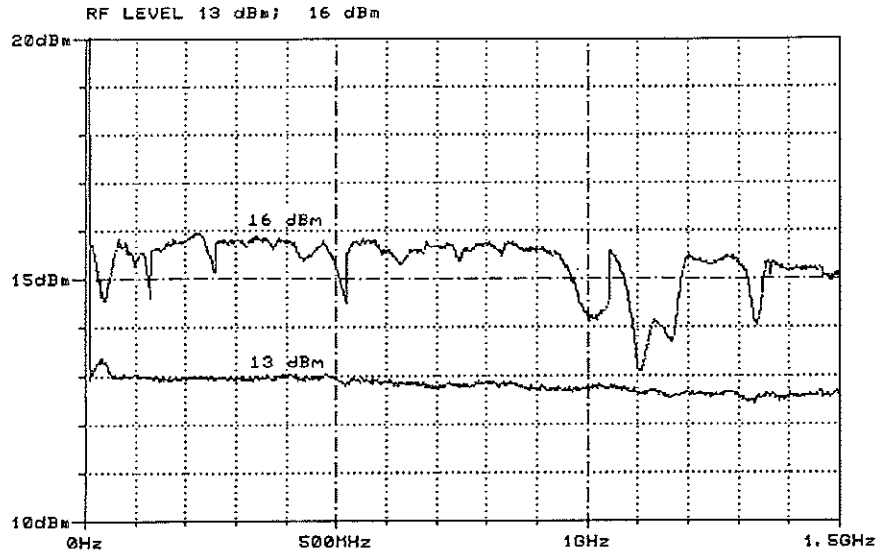
▶ Adjust R214 that the displayed test point voltage reaches 0 V.

7.4.14 Maximum Output Level Check

- Setting: F-SWEEP ON
  START FREQ 1 MHz
  STOP FREQ 1.5 GHz
  STEP LIN 0.22 MHz
  DWELL 22 ms
  SPACING LIN
  MODE AUTO
  LEVEL 16 dBm

▶ Connect a spectrum analyzer to X108 FOPU1.

Typical levels are illustrated by the figure below:

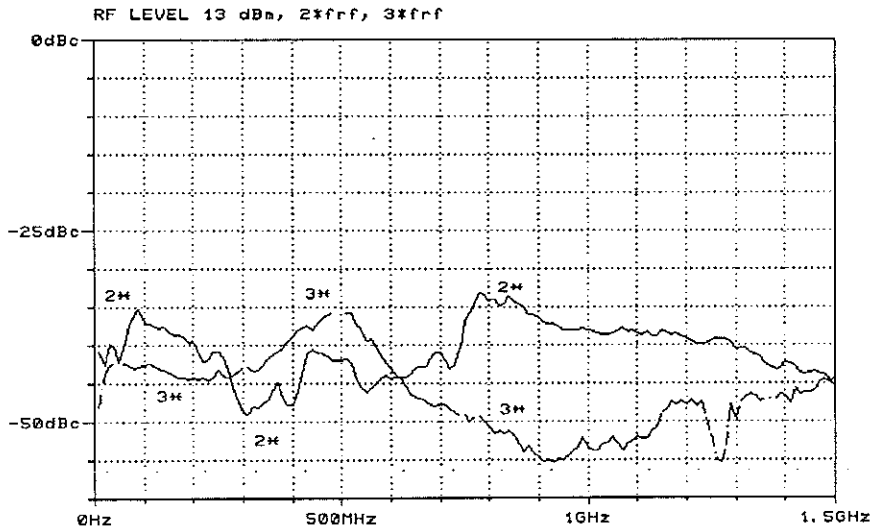


7.4.15 Harmonics Check

- Setting: LEVEL 13 dBm

▶ Connect a spectrum analyzer to X108 FOPU1.
▶ The level of the harmonics must be < -30 dBc.

Typical measured values for $2*f_{RF}$ and $3*f_{RF}$ are illustrated by the figure below:



7.4.16 Nonharmonics Check

- Setting: FREQUENCY 93 MHz
  LEVEL 13 dBm

▶ Connect a spectrum analyzer to X108 FOPU1.
▶ Check spurious responses with the subsequent frequencies: 693 MHz, 1386 MHz, 600 MHz, 1200 MHz, 1800 MHz, 507 MHz, 414 MHz, 321 MHz, 228 MHz, 135 MHz, 42 MHz and 51 MHz.

▶ The level of the spurious signals must be < -80 dBc.

7.5 Removal and Assembly

The module can be taken out of its slot subsequent to opening the instrument, unlocking the module locking by undoing the screws at the sides of the motherboard and disconnecting coaxial connections at X101, X106 and X108.
The shielding covers of the module are fixed by screws.
The LF Module is fixed on the output module 1.5 GHz by means of four screws. Upon unscrewing these screws, the LF Module can be pressed out of the connector X1 by pressing the heads of the screws against the solder-side of the output module 1.5 GHz.

7.6 Interface Description

Pin	Name	Input/Output	Origin/Destination	Specified range	Signal description
X10A.01	BLANK	Input	A3, CPU	HCMOS level	RF level blanking
X10A.04	EXT1	Input	A3, FRO	-15 V up to 15 V	external AM input
X10A.05	EXT2	Input	A3, FRO	-15 V bis 15 V	external AM input
X10A.06	INT1	Input	A5, MGEN/LFGEN	-15 V bis 15 V	internal AM input
X10A.07	INT2	Input	A5, MGEN/LFGEN	-15 V bis 15 V	internal AM input
X10A.08	VDAM	Output	A11, OPU3	0.5 V bis 10 V	Control voltage AM MODULATOR
X10A.09	CODAM	Input	A8, DSYN	-1 V bis 1 V	Amplitude of digit. modulation
X10A.12	SERBUS-CLK	Input	A3, CPU	HCMOS level	Serbus Clock
X10A.14 X10A.15	SERBUS-DAT	bidir.	A3, CPU	HCMOS level	Serbus Data
X10A.16	SERBUS-SYNC	Input	A3, CPU	HCMOS level	Serbus Synchronization
X10A.17	SERBUS-INT	Output	A3, CPU	HCMOS level	Serbus Interrupt
X10A.18	RES-P	Input	A3, CPU	HCMOS level	Serbus Reset
0A.19	DIAG-5V	Output	A3, CPU	-5 V...5 V	Diagnostic
X10A.22 X10B.22	VA24-P	Input	A2, POWS1	23.4 V...24.6 V 122 ± 5 mA	Supply voltage, analog
X10A.24 X10B.24	VA15-P	Input	A2, POWS1	14.80 V...15.75 V 700 ± 50 mA	Supply voltage, analog
X10A.28 X10B.28	VD-5P	Input	A2, POWS1	5.10 V...5.25 V 22 ± 3 mA	Supply voltage, digital
X10A.30 X10B.30	VA15-N	Input	A2, POWS1	-15.75 V...-14.85 V 186 ± 10 mA	Supply voltage, analog
X10A.32	LSWI	Input	A8, DSYN	HCMOS level	Level Switch

X10B.06	GOUT	Input	A5, MGEN	±1 V	LF Generator
X10B.14	ALARM	Output	Test output	HCMOS level	Error with level control
X10B.15	WR1	Output	Test output	HCMOS level	Write signal to SERBUS
X10B.16	CLK1	Output	Test output	HCMOS level	Clock signal to SERBUS
X10B.17	DATA	Output	Test output	HCMOS level	Data signal to SERBUS
X10B.18	WR2	Ausgang	Test output	HCMOS level	Write signal to SERBUS
X10B.19	CLK2	Output	Test output	HCMOS level	Clock signal to SERBUS
X101	FSUM	Input	A9, SUM		6 dBm to 9 dBm RF input
X105	REF600	Input	A7, REFSS		10 dBm ± 1 dB, 600 MHz
X108	FOPU1	Output	A11, OPU3	0 to 20 dBm	RF output 5 kHz up to 1.5 GHz
X119	VDDET	Input	A11, OPU3	1 V to 10 V	Detector output voltage

ROHDE&SCHWARZ

Schaltteillisten
numerisch geordnet
Part lists
in numerical order
Listes des pièces détachées
par numéros de référence

(R 29500 Bl 3)
095.1000 Bl 3

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
A101	BD AMPLITUDENMODULATOR AMPLITUDE MODULATOR NUR VAR/ONLY MOD: 06	1038.7444.02			
A102	ED NF-TEIL NUR VAR/ONLY MOD: 04	1038.7996.04			
A102	ED NF-TEIL AF UNIT NUR VAR/ONLY MOD: 06	1038.7996.06			
C1	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C6	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C7	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C8	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C50	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C51	CE 22UF+-20%16V5RDX5RAD.A ELECTROLYTIC CAPACITOR	0358.6062.00	NAT_PANASO	ECE A 1C KS 220 B	
C52	CE 22UF+-20%16V5RDX5RAD.A ELECTROLYTIC CAPACITOR	0358.6062.00	NAT_PANASO	ECE A 1C KS 220 B	
C76	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C201	CC 5,6PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8220.00	MURATA	GRM42-6COG 5R6 C50PT	
C202	CE 220UF+-20%10V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7927.00	PANASONIC	ECA 1 AFG 221 I	
C203	CE 220UF+-20%10V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7927.00	PANASONIC	ECA 1 AFG 221 I	
C206	CC 22PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8396.00	MURATA	GRM42-6COG 220F 50PT	
C208	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C210	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C212	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C218	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR NUR VAR/ONLY MOD: 04	CK 0099.2998.00	ERO	MKT 1826-510/054-R	
C219	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR NUR VAR/ONLY MOD: 04	CK 0099.2998.00	ERO	MKT 1826-510/054-R	
C221	CC 56PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8809.00	MURATA	GRM42-6COG 560F 50PT	
C222	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	MURATA	GRM42-6X7R103K 50PT	
C224	CC 22NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8467.00	PHILIPS_CO	2238 581 16632	
C230	CC 18PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	MURATA	GRM42-6COG 180F 50PT	
C231	CC 8,2PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8242.00	MURATA	GRM42-6COG 8R2 C50PT	
C233	CE 22UF+-20%16V5RDX5RAD.A ELECTROLYTIC CAPACITOR	0358.6062.00	NAT_PANASO	ECE A 1C KS 220 B	
C243	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C244	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C245	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C246	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C247	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C248	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C249	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C250	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C253	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C254	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C255	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C256	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C257	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C300	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C301	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 06	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C302	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C303	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 06	CC 0099.8780.00	MURATA	GRM42-6C0G 330F 50PT	
C303	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C313	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C315	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C316	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C318	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C319	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C325	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C327	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C327	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR NUR VAR/ONLY MOD: 04	CK 0099.2998.00	ERO	MKT 1826-510/054-R	
C328	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C328	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR NUR VAR/ONLY MOD: 04	CK 0099.2998.00	ERO	MKT 1826-510/054-R	
C329	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C330	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C340	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C350	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C351	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C352	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C353	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C355	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 06	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C356	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C357	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 06	CC 0099.8780.00	MURATA	GRM42-6C0G 330F 50PT	
C357	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	

wir uns alle Rechte vor.

095 0026 0492

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C359	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C360	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C361	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C362	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C400	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C401	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C402	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C404	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C405	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C410	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C412	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C417	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C440	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C500	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C501	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C503	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C504	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C505	CC 3,3PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8194.00	MURATA	GRM42-6COG 3R3 C50PT	
C506	CC 2,7PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8188.00	MURATA	GRM42-6COG 2R7 C50PT	
C507	CC 2,7PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8188.00	MURATA	GRM42-6COG 2R7 C50PT	
C509	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C510	CC 3,9PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	MURATA	GRM42-6COG 3R9 C50PT	
C511	CC 3,3PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8194.00	MURATA	GRM42-6COG 3R3 C50PT	
C512	CC 3,3PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8194.00	MURATA	GRM42-6COG 3R3 C50PT	
C514	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C515	CC 5,6PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8220.00	MURATA	GRM42-6COG 5R6 C50PT	
C516	CC 4,7PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6COG 4R7C 50PT	
C517	CC 4,7PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6COG 4R7C 50PT	
C518	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C519	CC 1,8PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8165.00	MURATA	GRM42-6COG 1R8 C50PT	
C520	CC 1,5PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8159.00	MURATA	GRM42-6COG 1R5 C50PT	
C521	CC 1,5PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8159.00	MURATA	GRM42-6COG 1R5 C50PT	
C526	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C527	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C530	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C531	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C532	CC 12PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8744.00	MURATA	GRM42-6COG 120 F50PT	
C533	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6COG 100 C50PT	
C534	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6COG 100 C50PT	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C536	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C537	CC 18PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	MURATA	GRM42-6C0G 180F 50PT	
C538	CC 12PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8744.00	MURATA	GRM42-6C0G 120 F50PT	
C539	CC 12PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8744.00	MURATA	GRM42-6C0G 120 F50PT	
C540	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C545	CC 27PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8409.00	MURATA	GRM42-6C0G 270F 50PT	
C546	CC 18PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	MURATA	GRM42-6C0G 180F 50PT	
C547	CC 18PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	MURATA	GRM42-6C0G 180F 50PT	
C553	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C560	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8780.00	MURATA	GRM42-6C0G 330F 50PT	
C562	CC 27PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8409.00	MURATA	GRM42-6C0G 270F 50PT	
C564	CC 22PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8396.00	MURATA	GRM42-6C0G 220F 50PT	
C568	CC 5,6PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8220.00	MURATA	GRM42-6C0G 5R6 C50PT	
C569	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C570	CC 12PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8744.00	MURATA	GRM42-6C0G 120 F50PT	
C573	CC 15PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8750.00	MURATA	GRM42-6C0G 150F 50PT	
C575	CC 15PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8750.00	MURATA	GRM42-6C0G 150F 50PT	
C580	CC 15PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8750.00	MURATA	GRM42-6C0G 150F 50PT	
C582	CC 12PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8744.00	MURATA	GRM42-6C0G 120 F50PT	
C584	CC 5,6PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8220.00	MURATA	GRM42-6C0G 5R6 C50PT	
C585	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C600	CC 18PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	MURATA	GRM42-6C0G 180F 50PT	
C601	CC 27NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8473.00	PHILIPS_CO	2238 581 16633	
C602	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C603	CC 18PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	MURATA	GRM42-6C0G 180F 50PT	
C604	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C605	CC 4,7PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6C0G 4R7C 50PT	
C606	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	MURATA	GRM42-6C0G 3R9 C50PT	
C607	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	MURATA	GRM42-6C0G 3R9 C50PT	
C608	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C609	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C610	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C611	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C613	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C614	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C615	CC 47PF+-1%50V C0G 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	MURATA	GRM42-6C0G 470F 50PT	
C616	CC 47PF+-1%50V C0G 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	MURATA	GRM42-6C0G 470F 50PT	
C617	CC 4,7PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6C0G 4R7C 50PT	
C618	CC 8,2PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8242.00	MURATA	GRM42-6C0G 8R2 C50PT	

095 0026 E593
wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C619	CC 8,2PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8242.00	MURATA	GRM42-6C0G 8R2 C50PT	
C620	CC 4,7PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6C0G 4R7C 50PT	
C621	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	MURATA	GRM42-6C0G 3R9 C50PT	
C622	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	MURATA	GRM42-6C0G 3R9 C50PT	
C625	CC 10PF+-0,25 50VNP0 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C627	CC 18PF+-1% 50V NP0 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	MURATA	GRM42-6C0G 180F 50PT	
C628	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C629	CE 47UF +-10% 10V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7300.00	KEMET	T491 D 476 K 010 AS	
C631	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C632	CC 47PF+-1%50V C0G 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	MURATA	GRM42-6C0G 470F 50PT	
C633	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	F
C633	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C634	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	KEMET	T491D106K025AS	
C635	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	F
C635	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C636	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	KEMET	T491D106K025AS	
C637	CE 10UF+-20%35V RD5,5XH6 ELECTROLYTIC CAPACITOR	0803.0667.00	NAT_PANASO	ECE-A1VKS-100	
C638	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C639	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C640	CC 4,7PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6C0G 4R7C 50PT	
C641	CC 4,7PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6C0G 4R7C 50PT	
C642	CC 27PF+-1%50V NP0 1206 CERAMIC CHIP CAPACITOR	CC 0099.8409.00	MURATA	GRM42-6C0G 270F 50PT	
C643	CC 27PF+-1%50V NP0 1206 CERAMIC CHIP CAPACITOR	CC 0099.8409.00	MURATA	GRM42-6C0G 270F 50PT	
C644	CC 4,7PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6C0G 4R7C 50PT	
C645	CC 4,7PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	MURATA	GRM42-6C0G 4R7C 50PT	
C646	CC 8,2PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8242.00	MURATA	GRM42-6C0G 8R2 C50PT	
C650	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C651	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C652	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C653	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C654	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	MURATA	GRM42-6X7R103K 50PT	
C656	CC 1NF+-1% 50V NP0 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C660	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C661	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C662	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C663	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C668	CC 10PF+-0,25 50VNP0 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C670	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C671	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C700	CC 1PF+-0,25 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8667.00	PHILIPS_CO	2238 863 15108	
C701	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C702	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C705	CC 56PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8809.00	MURATA	GRM42-6C0G 560F 50PT	
C707	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C708	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C709	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C710	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C714	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	MURATA	GRM42-6C0G 3R9 C50PT	
C715	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C720	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C721	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C723	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C724	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C727	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C732	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C734	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C735	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C736	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	MURATA	GRM42-6C0G 820F 50PT	
C738	CC 47PF+-1%50V C0G 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	MURATA	GRM42-6C0G 470F 50PT	
C740	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C742	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C743	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	PHILIPS_CO	2238 863 18221	
C747	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C748	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C750	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C751	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C762	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C800	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C801	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C802	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C803	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C804	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C805	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C808	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C809	CE 10UF+-20%35V RD5,5XH6 ELECTROLYTIC CAPACITOR	0803.0667.00	NAT_PANASO	ECE-A1VKS-100	
C810	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C811	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	KEMET	T491 C 106 K 010 AS	

095 0026 0693

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C815	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C816	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	KEMET	T491 C 106 K 010 AS	
C817	CE 10UF+-20%35V RD5,5XH6 ELECTROLYTIC CAPACITOR	0803.0667.00	NAT_PANASO	ECE-A1VKS-100	
C820	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6COG 100 C50PT	
C821	CC 5,6PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8220.00	MURATA	GRM42-6COG 5R6 C50PT	
C822	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C824	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	KEMET	T 491 B105 K025 AS	
C831	CC 150NF+-10%50V X7R 1210 CERAMIC CHIP CAPACITOR	CC 0007.7446.00	PHILIPS_CO	2222 592 16643	
C833	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C842	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	KEMET	T491D106K025AS	
C843	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C844	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C845	CC 1PF+-0,25 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8667.00	PHILIPS_CO	2238 863 15108	
C846	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C847	CC 47PF+-1%50V COG 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	MURATA	GRM42-6COG 470F 50PT	
C848	CC 10PF 0,25PF NPO 0805 CERAMIC CHIP CAPACITOR	CC 0099.8321.00	MURATA	GRM40 COG100C 50 PT	
C850	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C851	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C852	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C853	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C854	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C855	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C870	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C871	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
D1	BG TH3032.1C SERBUSD ASIC IC GATE ARRAY	0008.6143.00	THESYS	TH3032.1C	
D5	BL PC74HC244T 8XBUFF. 3S OCTAL BUFFER TRI-STATE	BL 0007.3557.00	PHILIPS_SE	(PC)74HC244D(T)	
D20	BL PC74HC4094T 8ST.BUSREG BUS REGISTER	BL 0804.0977.00	PHILIPS_SE	(PC)74HC4094(D/T)	
D50	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D60	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	BL 0007.6291.00	PHILIPS_SE	(PC)74HCT86(D/T)	
D200	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D202	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D210	BL PC74HC123T 2XMULTIVIB DUAL MULTIVIBRATOR	BL 0007.3528.00	PHILIPS_SE	(PC)74HC123(D/T)	
D250	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D430	BL PC74HCT42T BCD/D. DEC DECODER	BL 0007.6240.00	PHILIPS	(PC)74HCT42(T)	
D431	BL PC74HCT04T 6XINVERT HEXINVERTER	BL 0007.5372.00	PHILIPS_SE	(PC)74HCT04(D/T)	
D432	BL PC74HCT04T 6XINVERT HEXINVERTER	BL 0007.5372.00	PHILIPS_SE	(PC)74HCT04(D/T)	
D760	BM SW-239 GAAS SPDTSWITCH GAAS RF-SWITCH	0853.5579.00	ANZAC	SW239	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
L60	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L62	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L63	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L64	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L65	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L66	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L67	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L68	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L69	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L70	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L76	LD 3UH 2A 0,077 OHM CHOKE	LD 0026.4532.00	FASTRON_GE	MISC-3ROM-01 (00)	
L78	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L79	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L80	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L82	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L83	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L84	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L85	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L86	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L87	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L88	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L89	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L90	LD 470NH 10% 0,15A 1210 SMD-INDUCTOR	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
L300	LD 100NH 10% 0,44A 1210 SMD-INDUCTOR	LD 0007.9249.00	SIEMENS	B82422-A3101-J(K)100	
	NUR VAR/ONLY MOD: 06				
L300	LD 220NH 10% 0,28A 1210 SMD-INDUCTOR	LD 0520.7911.00	SIEMENS	B82422-A3221-J(K)100	
	NUR VAR/ONLY MOD: 04				
L305	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
	NUR VAR/ONLY MOD: 04				
L325	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
	NUR VAR/ONLY MOD: 04				
L340	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
	NUR VAR/ONLY MOD: 04				
L351	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L352	LD 12NH 10% 0,70A 1210 SMD-INDUCTOR	1002.4900.00	SIEMENS	B82422-A3120-J(K)100	
L353	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L355	LD 100NH 10% 0,44A 1210 SMD-INDUCTOR	LD 0007.9249.00	SIEMENS	B82422-A3101-J(K)100	
	NUR VAR/ONLY MOD: 06				
L355	LD 220NH 10% 0,28A 1210 SMD-INDUCTOR	LD 0520.7911.00	SIEMENS	B82422-A3221-J(K)100	
	NUR VAR/ONLY MOD: 04				
L360	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L361	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	

wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
L400	LD 0,82UH10%0,850HMO,420A CHOKE	LD 0067.2857.00	DALE	IM2	
L410	LD 0,68UH10%0,600HMO,500A CHOKE	LD 0067.2840.00	DALE	IM2	
L416	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L417	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L430	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L431	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L432	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L500	LD 1,20UH10%0,180HMO,620A CHOKE	LD 0067.2870.00	DALE	IM2	
L501	LD 0,22UH10%0,140HM1,045A CHOKE	LD 0067.2786.00	DALE	IM2	
L505	LD 100NH 10% 0,080HM 1,4A CHOKE	LD 0067.2740.00	DALE	IM2	
L510	LD 0,33UH10%0,220HMO,830A CHOKE	LD 0067.2805.00	DALE	IM2	
L517	LD 0,15UH10%0,100HM1,230A CHOKE	LD 0067.2763.00	DALE	IM2	
L520	LD 0,82UH10%0,850HMO,420A CHOKE	LD 0067.2857.00	DALE	IM2	
L530	LD 3,30UH10%0,850HMO,285A CHOKE	LD 0067.2928.00	DALE	IM2	
L532	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L533	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L534	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L536	LD 3,30UH10%0,850HMO,285A CHOKE	LD 0067.2928.00	DALE	IM2	
L537	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L538	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L539	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L540	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L541	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L542	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L543	LD 3,30UH10%0,850HMO,285A CHOKE	LD 0067.2928.00	DALE	IM2	
L544	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L545	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L546	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L547	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L548	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L549	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L550	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L551	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L553	LD 3,30UH10%0,850HMO,285A CHOKE	LD 0067.2928.00	DALE	IM2	
L559	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L560	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L561	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L562	LD 100NH 10% 0,44A 1210 SMD-INDUCTOR	LD 0007.9249.00	SIEMENS	B82422-A3101-J(K)100	
L563	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
L564	LD 100NH 10% 0,44A 1210 SMD-INDUCTOR	LD 0007.9249.00	SIEMENS	B82422-A3101-J(K)100	
L565	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L566	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L568	LD 3,30UH10%0,850HMO,285A CHOKE	LD 0067.2928.00	DALE	IM2	
L570	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L571	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L572	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L580	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L583	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L584	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L585	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L600	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L601	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L602	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L604	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L608	LD 12NH 10% 0,70A 1210 SMD-INDUCTOR	1002.4900.00	SIEMENS	B82422-A3120-J(K)100	
L610	LD 12NH 10% 0,70A 1210 SMD-INDUCTOR	1002.4900.00	SIEMENS	B82422-A3120-J(K)100	
L620	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L621	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L630	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-J(K)100	
L632	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L633	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L642	LD 1,00UH10%1,000HMO,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L643	LD 0,27UH10%0,160HMO,975A CHOKE	LD 0067.2792.00	DALE	IM2	
L644	LD 0,15UH10%0,100HM1,230A CHOKE	LD 0067.2763.00	DALE	IM2	
L645	LD 0,15UH10%0,100HM1,230A CHOKE	LD 0067.2763.00	DALE	IM2	
L647	LD 100NH 10% 0,080HM 1,4A CHOKE	LD 0067.2740.00	DALE	IM2	
L648	LD 0,15UH10%0,100HM1,230A CHOKE	LD 0067.2763.00	DALE	IM2	
L649	LD 0,15UH10%0,100HM1,230A CHOKE	LD 0067.2763.00	DALE	IM2	
L650	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L651	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L660	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L661	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L662	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L663	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L668	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L670	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L671	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L705	LD 22ONH 10% 0,28A 1210 SMD-INDUCTOR	LD 0520.7911.00	SIEMENS	B82422-A3221-J(K)100	

wir uns alle Rechte vor.

095 0126 0693

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
L706	LD 220NH 10% 0,28A 1210 SMD-INDUCTOR	LD 0520.7911.00	SIEMENS	B82422-A3221-J(K)100	
L709	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L714	LD 100NH 10% 0,44A 1210 SMD-INDUCTOR	LD 0007.9249.00	SIEMENS	B82422-A3101-J(K)100	
L720	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L727	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L730	LD 100NH 10% 0,44A 1210 SMD-INDUCTOR	LD 0007.9249.00	SIEMENS	B82422-A3101-J(K)100	
L732	LD 4,7UH 10% 0,15A 1210 SMD-INDUCTOR	LD 0008.1687.00	SIEMENS	B82422-A1472-J(K)100	
L738	LD 100NH 10% 0,44A 1210 SMD-INDUCTOR	LD 0007.9249.00	SIEMENS	B82422-A3101-J(K)100	
L739	LD 100NH 10% 0,44A 1210 SMD-INDUCTOR	LD 0007.9249.00	SIEMENS	B82422-A3101-J(K)100	
L740	LD 0,82UH10%0,850HM0,420A CHOKE	LD 0067.2857.00	DALE	IM2	
L742	LD 1,00UH10%1,000HM0,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L762	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L800	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L801	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L802	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L803	LD 1,00UH10%1,000HM0,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L814	LL FERRITSPULE (F5-TEIL)	1038.7850.00			
L815	LD FERRITSPULE COIL	0843.3944.00			
L816	LD 3,9MH 0,2A 200HM INTERFERENCE CHOKE	1020.5256.00	SIEMENS	B82500-C-A2	
L817	LD 3,9MH 0,2A 200HM INTERFERENCE CHOKE	1020.5256.00	SIEMENS	B82500-C-A2	
L818	LD 1,00UH10%1,000HM0,390A CHOKE	LD 0067.2863.00	DALE	IM2	
L820	LD 22NH 10% 0,60A 1210 SMD-INDUCTOR	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
L830	LD FERRITSPULE COIL	0843.3944.00			
L831	LL FERRITSPULE (F5-TEIL)	1038.7850.00			
L832	LD 3,9MH 0,2A 200HM INTERFERENCE CHOKE	1020.5256.00	SIEMENS	B82500-C-A2	
L833	LD 3,9MH 0,2A 200HM INTERFERENCE CHOKE	1020.5256.00	SIEMENS	B82500-C-A2	
L843	LD 220NH 10% 0,28A 1210 SMD-INDUCTOR	LD 0520.7911.00	SIEMENS	B82422-A3221-J(K)100	
L845	LD 100UH 10% 0,06A 1210 SMD-INDUCTOR	LD 0007.9261.00	SIEMENS	B82422-A1104-J(K)100	
N200	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG_DEV	(AD)744KR	
N230	BO LF412CN 2XFET OPAMP OPERATIONAL AMPLIFIER	0356.0521.00	NSC	LF412CN	
N233	BO M78L05ACM+5V5%0A1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N240	BO LF412CN 2XFET OPAMP OPERATIONAL AMPLIFIER	0356.0521.00	NSC	LF412CN	
N250	BO LM119J 2X COMPAR COMPARATOR	0007.5337.00	LINEAR_TEC	LM119J (AJ)	
N360	BM MSA0486 DC-3.2G MMIC BROADBAND AMPLIFIER	0846.4293.00	AVANTEK	MSA-0486	
N410	BM MSA0486 DC-3.2G MMIC BROADBAND AMPLIFIER	0846.4293.00	AVANTEK	MSA-0486	
N600	BO TL074ACD 4XFET OPAMP OPERATIONAL AMPLIFIER	0007.7823.00	TEXAS	TL074A(CD)	
N610	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG_DEV	(AD)744KR	
N620	BM MSA1105 05-1.3G MMIC IC MICROWAVE MONOLITH AMP	1051.4051.00	AVANTEK	MSA-1105-TR1	
N740	BM MSA0486 DC-3.2G MMIC BROADBAND AMPLIFIER	0846.4293.00	AVANTEK	MSA-0486	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
N820	BM MSA0420 MMIC BROADBAND AMPLIFIER	0817.1502.00	AVANTEK	MSA0420	
N840	BO TL074ACD 4XFET OPAMP OPERATIONAL AMPLIFIER	0007.7823.00	TEXAS	TL074A(CD)	
N845	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG_DEV	(AD)744KR	
P201	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P202	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P203	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P204	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P205	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P206	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P207	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P208	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P209	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P210	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P211	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P212	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P213	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P232	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P233	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P600	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P601	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P620	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P621	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P628	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P850	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P851	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P866	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
R2	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R3	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R4	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R5	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R9	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R10	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R11	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R14	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR NUR VAR/ONLY MOD: 06	RG 0007.0793.00	PHILIPS_CO	RC02	
R15	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R31	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R32	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	

wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R33	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R34	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R35	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R36	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R37	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R38	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R39	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R40	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R41	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R42	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R43	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R44	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R45	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R46	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R47	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R48	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R50	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R51	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R52	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R53	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R56	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R57	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R58	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R59	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R81	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R82	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R83	RL 0,60W 100 OHM+-1%TK50 RESISTOR	RL 0082.6543.00	RESISTA	MK2	
R87	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R88	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R90	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R91	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R92	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R200	RG 150 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5972.00	ROEDERSTEI	D25	
R201	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R203	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R204	RG 150 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5972.00	ROEDERSTEI	D25	
R206	RL 0,35W10,OKOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMA0207	
R207	RL 0,35W10,OKOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMA0207	
R208	RL 0,35W10,OKOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMA0207	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R209	RL 0,35W10,0KOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMA0207	
R210	RL 0,35W10,0KOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMA0207	
R211	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R212	RG 56,2KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.1883.00	ROEDERSTEI	D25	
R214	RS 0,25W 5KOHM +-20% SMD POTENTIOMETER	RS 0007.9632.00	BI_TECHNOL	23 B R... TR	
R216	RS 0,25W 2KOHM +-20% SMD POTENTIOMETER	RS 0007.9626.00	BI_TECHNOL	23 B R... TR	
R217	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R218	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	ROEDERSTEI	D25	
R219	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	ROEDERSTEI	D25	
R220	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	ROEDERSTEI	D25	
R221	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	ROEDERSTEI	D25	
R231	RL 0,35W21,0KOHM+-0,1%T25 RESISTOR	RL 0084.3687.00	DRALORIC	SMA0207	
R232	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	ROEDERSTEI	D25	
R233	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	ROEDERSTEI	D25	
R234	RL 0,35W164 OHM+-0,1%TK25 RESISTOR	RL 0083.7637.00	DRALORIC	SMA0207	
R235	RL 0,35W4,02KOHM+-0,1%T25 RESISTOR	RL 0084.2300.00	DRALORIC	SMA0207	
R240	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R241	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R242	RG 274 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.4460.00	ROEDERSTEI	D25	
R243	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R244	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R245	RG 274 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.4460.00	ROEDERSTEI	D25	
R246	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	ROEDERSTEI	D25	
R247	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	ROEDERSTEI	D25	
R251	RL 0,60W 100 OHM+-1%TK50 RESISTOR	RL 0082.6543.00	RESISTA	MK2	
R251	RL 0,60W 221 OHM+-1%TK50 RESISTOR	RL 0083.0084.00	RESISTA	MK2	F
R252	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R253	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R300	RG 0,05W 27R +-1% 0805 RESISTOR	RG 0007.8936.00	HONEST_JAP	RN 73 C(E)2X..F (1%)	
R301	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R302	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R303	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R304	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R305	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R306	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R307	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R308	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R310	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	ROEDERSTEI	D25	
R312	RG 12,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8661.00	ROEDERSTEI	D25	

wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R313	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR NUR VAR/ONLY MOD: 04	RG 0006.8826.00	ROEDERSTEI	D25	
R314	RG 511 OHM+-1%TK100 1206 CHIP RESISTOR NUR VAR/ONLY MOD: 04	RG 0006.9051.00	PHILIPS_CO	RC02	
R315	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR NUR VAR/ONLY MOD: 04	RL 0083.0684.00	RESISTA	MK2	
R316	RG 39,2 OHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5543.00	ROEDERSTEI	D25	
R317	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR NUR VAR/ONLY MOD: 04	RL 0083.0684.00	RESISTA	MK2	
R318	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR NUR VAR/ONLY MOD: 04	RL 0083.0684.00	RESISTA	MK2	
R319	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR NUR VAR/ONLY MOD: 04	RG 0006.9068.00	PHILIPS_CO	RC02	
R320	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5450.00	ROEDERSTEI	D25	
R321	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5450.00	ROEDERSTEI	D25	
R325	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5737.00	ROEDERSTEI	D25	
R327	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR NUR VAR/ONLY MOD: 04	RG 0006.9068.00	PHILIPS_CO	RC02	
R328	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR NUR VAR/ONLY MOD: 04	RG 0006.8826.00	ROEDERSTEI	D25	
R329	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR NUR VAR/ONLY MOD: 04	RL 0083.0684.00	RESISTA	MK2	
R330	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5450.00	ROEDERSTEI	D25	
R332	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR NUR VAR/ONLY MOD: 04	RL 0083.0684.00	RESISTA	MK2	
R333	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5450.00	ROEDERSTEI	D25	
R338	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R340	RG 511 OHM+-1%TK100 1206 CHIP RESISTOR NUR VAR/ONLY MOD: 04	RG 0006.9051.00	PHILIPS_CO	RC02	
R341	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR NUR VAR/ONLY MOD: 04	RL 0083.0684.00	RESISTA	MK2	
R342	RG 39,2 OHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5543.00	ROEDERSTEI	D25	
R348	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM NUR VAR/ONLY MOD: 06	RG 0007.5108.00	DRALORIC	CR 1206	
R349	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM NUR VAR/ONLY MOD: 06	RG 0007.5108.00	DRALORIC	CR 1206	
R350	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R353	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R354	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5450.00	ROEDERSTEI	D25	
R355	RG 825 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.7259.00	ROEDERSTEI	D25	
R356	RL 0,60W 100 OHM+-1%TK50 RESISTOR	RL 0082.6543.00	RESISTA	MK2	
R357	RL 0,60W 100 OHM+-1%TK50 RESISTOR	RL 0082.6543.00	RESISTA	MK2	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R360	RL 0,60W 100 OHM+-1%TK50 RESISTOR	RL 0082.6543.00	RESISTA	MK2	
R361	RL 0,60W 100 OHM+-1%TK50 RESISTOR	RL 0082.6543.00	RESISTA	MK2	
R400	RG 511 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9051.00	PHILIPS_CO	RCO2	
R401	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR	RL 0083.0684.00	RESISTA	MK2	
R402	RG 39,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5543.00	ROEDERSTEI	D25	
R404	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8826.00	ROEDERSTEI	D25	
R405	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	PHILIPS_CO	RCO2	
R406	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5450.00	ROEDERSTEI	D25	
R407	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5450.00	ROEDERSTEI	D25	
R408	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR	RL 0083.0684.00	RESISTA	MK2	
R409	RL 0,60W 1,33KOHM+-1%TK50 RESISTOR	RL 0083.0684.00	RESISTA	MK2	
R410	RG 39,2KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5937.00	ROEDERSTEI	D25	
R411	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	ROEDERSTEI	D25	
R412	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R416	RL 0,60W 100 OHM+-1%TK50 RESISTOR	RL 0082.6543.00	RESISTA	MK2	
R417	RL 0,60W 100 OHM+-1%TK50 RESISTOR	RL 0082.6543.00	RESISTA	MK2	
R430	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R431	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R432	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R433	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R434	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R435	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R436	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R437	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R438	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R440	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R442	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R443	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R450	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R451	RG 150 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5589.00	ROEDERSTEI	D25	
R452	RG 182 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5595.00	ROEDERSTEI	D25	
R453	RG 150 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5589.00	ROEDERSTEI	D25	
R454	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R455	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8826.00	ROEDERSTEI	D25	
R500	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5737.00	ROEDERSTEI	D25	
R501	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5737.00	ROEDERSTEI	D25	
R502	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5737.00	ROEDERSTEI	D25	
R503	RG 392 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5672.00	ROEDERSTEI	D25	
R520	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	

wir uns alle Rechte vor.

095 0076 0693

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R521	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	
R522	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	
R530	RG 392 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5672.00	ROEDERSTEI	D25	
R600	RG 221 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5614.00	ROEDERSTEI	D25	
R601	RL 0,60W 274 OHM+-1%TK50 RESISTOR	RL 0083.0178.00	RESISTA	MK2	
R602	RG 27,4 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5508.00	ROEDERSTEI	D25	
R603	RG 33,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5520.00	ROEDERSTEI	D25	
R604	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	ROEDERSTEI	D25	
R605	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5450.00	ROEDERSTEI	D25	
R607	RG 274 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.4460.00	ROEDERSTEI	D25	
R608	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R609	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R610	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R611	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R612	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R613	RG 1,82KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5720.00	ROEDERSTEI	D25	
R614	RG 2,74KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5766.00	PHILIPS_CO	RC02	
R615	RG 1,2MOHM+-5%TK200 1206 CHIP RESISTOR	0007.9949.00	PHILIPS_CO	RC 01	
R616	RG 1,82KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5720.00	ROEDERSTEI	D25	
R617	RG 1,2MOHM+-5%TK200 1206 CHIP RESISTOR	0007.9949.00	PHILIPS_CO	RC 01	
R618	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R619	RS 0,25W 5KOHM +-20% SMD POTENTIOMETER	RS 0007.9632.00	BI_TECHNOL	23 B R... TR	
R620	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R621	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R622	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R623	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R624	RK SMD-HEISSL.220R 0805 SMD-NTC-RESISTOR	1039.1310.00	SIEMENS	B57620-C221-K62	
R625	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8826.00	ROEDERSTEI	D25	
R626	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	ROEDERSTEI	D25	
R627	RG 121 OHM+-1%TK100 1206 CHIP RESISTOR NUR VAR/ONLY MOD: 06	RG 0006.8903.00	ROEDERSTEI	D25	
R627	RG 82,5 OHM+-1%TK100 1206 CHIP RESISTOR NUR VAR/ONLY MOD: 04	RG 0006.8861.00	PHILIPS_CO	RC02	
R628	RG 82,5 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8861.00	PHILIPS_CO	RC02	
R629	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R630	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	ROEDERSTEI	D25	
R632	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	ROEDERSTEI	D25	
R634	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8826.00	ROEDERSTEI	D25	
R635	RG 22,1KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5872.00	ROEDERSTEI	D25	
R636	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R637	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	ROEDERSTEI	D25	
R638	RG 392 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5672.00	ROEDERSTEI	D25	
R639	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R640	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R641	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R642	RG 51,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8810.00	ROEDERSTEI	D25	
R644	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R645	RS 0,25W200 OHM+-20% SMD POTENTIOMETER	RS 0007.9590.00	BOURNS	3314G--1-	
R646	RL 0,60W 221 OHM+-1%TK50 RESISTOR	RL 0083.0084.00	RESISTA	MK2	
R647	RL 0,60W 121 OHM+-1%TK50 RESISTOR	RL 0082.9859.00	RESISTA	MK2	
R648	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R649	RG 2,740HM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8365.00	PHILIPS	RC 02	
R651	RG 562 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6091.00	ROEDERSTEI	D25	
R652	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	ROEDERSTEI	D25	
R653	RL 0,60W 1,50KOHM+-1%TK50 RESISTOR	RL 0083.0732.00	RESISTA	MK2	
R654	RL 0,60W 1,50KOHM+-1%TK50 RESISTOR	RL 0083.0732.00	RESISTA	MK2	
R655	RG 2,210HM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8342.00	PHILIPS	RC 02	
R657	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R658	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R700	RG 82,5 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8861.00	PHILIPS_CO	RC02	
R701	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R702	RG 475 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6079.00	ROEDERSTEI	D25	
R704	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R705	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	PHILIPS_CO	RC 02	
R706	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	
R707	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	
R709	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R710	RG 121 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8903.00	ROEDERSTEI	D25	
R720	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R721	RG 121 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8903.00	ROEDERSTEI	D25	
R723	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	
R724	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	
R730	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	PHILIPS_CO	RC02	
R731	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	
R732	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	ROEDERSTEI	D25	
R734	RG 121 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8903.00	ROEDERSTEI	D25	
R735	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R741	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	ROEDERSTEI	D25	
R742	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	ROEDERSTEI	D25	

wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R743	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	ROEDERSTEI	D25	
R745	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R747	RG 8,25KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0770.00	ROEDERSTEI	D25	
R748	RG 8,25KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0770.00	ROEDERSTEI	D25	
R750	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	PHILIPS_CO	RC02	
R751	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	PHILIPS_CO	RC02	
R753	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R754	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R760	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R761	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R800	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R803	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R815	RG 27,4 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5508.00	ROEDERSTEI	D25	
R816	RG 27,4 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5508.00	ROEDERSTEI	D25	
R817	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R819	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R820	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R821	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	PHILIPS_CO	RC02	
R822	RL 0,60W 332 OHM+-1%TK50 RESISTOR	RL 0083.0255.00	RESISTA	MK2	
R824	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	PHILIPS_CO	RC02	
R825	RG 47,5KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5950.00	ROEDERSTEI	D25	
R826	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R831	RL 0,60W 1KOHM+-1%TK50 RESISTOR	RL 0082.2160.00	RESISTA	MK2	
R833	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R835	RG 33,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5520.00	ROEDERSTEI	D25	
R836	RG 33,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5520.00	ROEDERSTEI	D25	
R837	RG 22,1 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5489.00	ROEDERSTEI	D25	
R838	RG 2,74KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5766.00	PHILIPS_CO	RC02	
R839	RG 47,5KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5950.00	ROEDERSTEI	D25	
R840	RG 221 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5614.00	ROEDERSTEI	D25	
R841	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R842	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R843	RG 182 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5595.00	ROEDERSTEI	D25	
R844	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	ROEDERSTEI	D25	
R845	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	ROEDERSTEI	D25	
R846	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R848	RG 357 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5666.00	ROEDERSTEI	D25	
R850	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R851	RS 0,25W 2KOHM +-20% SMO POTENTIOMETER	RS 0007.9626.00	BI_TECHNOL	23 B R... TR	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R852	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R854	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	PHILIPS_CO	RC 02	
R855	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	ROEDERSTEI	D25	
R856	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	ROEDERSTEI	D25	
R857	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	ROEDERSTEI	D25	
R858	RL 0,60W 1KOHM+-1%TK50 RESISTOR	RL 0082.2160.00	RESISTA	MK2	
R859	RL 0,60W 1KOHM+-1%TK50 RESISTOR	RL 0082.2160.00	RESISTA	MK2	
R861	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R863	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R866	RG 274 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.4460.00	ROEDERSTEI	D25	
R867	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	ROEDERSTEI	D25	
R868	RG 121 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8903.00	ROEDERSTEI	D25	
R869	RG 130,0KOH+-1%TK100 1206 RESISTOR CHIP	RG 0007.5966.00	ROEDERSTEI	D25	
R870	RG 22,1KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5872.00	ROEDERSTEI	D25	
R871	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R872	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R873	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R874	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R875	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	ROEDERSTEI	D25	
R876	RG 392 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5672.00	ROEDERSTEI	D25	
R899	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	PHILIPS_CO	RC 02	
U600	BM LRMS-2H-2 MIXER 1GHZ MIXER	1039.1333.00	MINI-CIRCU	LRMS-2H-2	
V1 ..6	AX 5082-0030 PINDI.CHIP PIN DIODE CHIP	0093.4124.00	HEWLETT_PA	5082-0030	1038.7444.01
V200	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V201	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V217	AE 1N827 6,2V REFDI REFERENCE DIODE	AE 0418.0029.00	COMPENSATE	1N827(A)	
V310	AE BAR61 3X(PI) 100V PIN PIN DIODE ARRAY (ATTENU.) NUR VAR/ONLY MOD: 04	4001.5082.00	SIEMENS	BAR61(Q62702A120)	
V315	AE BAR61 3X(PI) 100V PIN PIN DIODE ARRAY (ATTENU.) NUR VAR/ONLY MOD: 04	4001.5082.00	SIEMENS	BAR61(Q62702A120)	
V318	AD BAV99 70V DUO UDI DIODE NUR VAR/ONLY MOD: 04	AD 0911.0092.00	VALVO	BAV99	
V319	AD BAV99 70V DUO UDI DIODE NUR VAR/ONLY MOD: 04	AD 0911.0092.00	VALVO	BAV99	
V330	AD BAV99 70V DUO UDI DIODE NUR VAR/ONLY MOD: 04	AD 0911.0092.00	VALVO	BAV99	
V333	AD BAV99 70V DUO UDI DIODE NUR VAR/ONLY MOD: 04	AD 0911.0092.00	VALVO	BAV99	
V349	AD BAV99 70V DUO UDI DIODE NICHT BESTUECKT	AD 0911.0092.00	VALVO	BAV99	
V350	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	

095 0026 0693

wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
V351	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V352	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V400	AE BAR61 3X(PI) 100V PIN PIN DIODE ARRAY (ATTENU.)	4001.5082.00	SIEMENS	BAR61(Q62702A120)	
V404	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	VALVO	BAV99	
V405	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	VALVO	BAV99	
V411	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V430	AK BCX70H N 45V 200MA TRANSISTOR	AK 0007.3105.00	VALVO	BCX 70 H	
V431	AK BCX70H N 45V 200MA TRANSISTOR	AK 0007.3105.00	VALVO	BCX 70 H	
V432	AK BCX70H N 45V 200MA TRANSISTOR	AK 0007.3105.00	VALVO	BCX 70 H	
V433	AK BCX70H N 45V 200MA TRANSISTOR	AK 0007.3105.00	VALVO	BCX 70 H	
V434	AK BCX70H N 45V 200MA TRANSISTOR	AK 0007.3105.00	VALVO	BCX 70 H	
V435	AK BCX70H N 45V 200MA TRANSISTOR	AK 0007.3105.00	VALVO	BCX 70 H	
V436	AK BCX70H N 45V 200MA TRANSISTOR	AK 0007.3105.00	VALVO	BCX 70 H	
V437	AK BCX70H N 45V 200MA TRANSISTOR	AK 0007.3105.00	VALVO	BCX 70 H	
V438	AK BCX70H N 45V 200MA TRANSISTOR NUR VAR/ONLY MOD: 04	AK 0007.3105.00	VALVO	BCX 70 H	
V500	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V502	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V505	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V510	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V511	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V512	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V514	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V515	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V516	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V520	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V520	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V523	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V530	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V532	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V535	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V536	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V539	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V540	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V543	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V544	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V548	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V600	AE BZX55/B6V2 0,5W ZDI ZENER DIODE	AE 0012.2161.00	PHILIPS	BZX79B6V2	
V602	AK BFQ34T N 18V 150MA TRANSISTOR	0801.8283.00	PHILIPS	BFQ34T	

Für diese Unterlage behalten wir uns alle Rechte vor.

F

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
V604	AE HSMS2825 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1010.6214.00	HEWLETT_PA	HSMS2825 L31	
V606	AE HSMS2825 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1010.6214.00	HEWLETT_PA	HSMS2825 L31	
V608	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V610	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS_SE	BZV55B5V1 (GEG)	
V612	AK BFQ34T N 18V 150MA TRANSISTOR	0801.8283.00	PHILIPS	BFQ34T	
V635	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V636	AE 1N827 6,2V REFDI REFERENCE DIODE	AE 0418.0029.00	COMPENSATE	1N827(A)	
V700	AE HSMS2825 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1010.6214.00	HEWLETT_PA	HSMS2825 L31	
V705	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V707	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V720	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V725	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V730	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V735	AE BAR64-04 CA DOPPEL PIN DUAL PIN DIODE	1039.1327.00	SIEMENS	BAR6404 (Q62702-A101	
V745	AE BZV55/C6V2 0,5W ZDI ZENER DIODE	AE 0006.9851.00	PHILIPS	BZV55B6V2	
V746	AE BZV55/C6V2 0,5W ZDI ZENER DIODE	AE 0006.9851.00	PHILIPS	BZV55B6V2	
V747	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V748	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V822	AK AT-64020 TRANSISTOR TRANSISTOR	1039.1404.00	AVANTEK	AT-64020	
V825	AK BCX71J P 45V 200MA TRANSISTOR	AK 0007.2096.00	VALVO	BCX71J GEGURTET	
V830	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V831	AK BCP68-16 N 20V TRANS TRANSISTOR BCP68	0008.2019.00	PHILIPS	BCP68-25	
V832	AK BCX71J P 45V 200MA TRANSISTOR	AK 0007.2096.00	VALVO	BCX71J GEGURTET	
V837	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V844	AE HSMS2825 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1010.6214.00	HEWLETT_PA	HSMS2825 L31	
V850	AE HSMS2825 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1010.6214.00	HEWLETT_PA	HSMS2825 L31	
V857	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V870	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V871	AE 1N827 6,2V REFDI REFERENCE DIODE	AE 0418.0029.00	COMPENSATE	1N827(A)	
W1 ..5	MZ LOETFAHNE	0912.1457.00			1038.7444.01
X1	FP STECKERLEISTE 72P. 2R CONNECTOR 72P 60 PINS	FP 0007.9932.00	BINDER	742-5-11-0195-00-72	
X10	FP STECKERLEISTE 64P. CONNECTOR 64P.	FP 0008.5747.00	SIEMENS	V42254-B1200-B610	
X101	FJ EINBAUWINKELST. SMC ANGLE CONNECTOR	FJ 0249.9684.00	IMS	82.1524.201	
X104	FJ EINBAUSTECKER F.GS SMB ANGLE CONNECTOR	FJ 0602.8804.00	IMS	81.1524.201	
X105	FJ EINBAUSTECKER F.GS SMB ANGLE CONNECTOR	FJ 0602.8804.00	IMS	81.1524.201	
X108	FJ EINBAUWINKELST. SMC ANGLE CONNECTOR	FJ 0249.9684.00	IMS	82.1524.201	
Z81	LD SMD PI-FILTER 10GHZ SURFACE-MOUNT-FILTER	LD 0008.5901.00	OXLEY	SLT/P/22000/SM3	

095 0026 0693
wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
Z82	LD SMD PI-FILTER 10GHZ SURFACE-MOUNT-FILTER	LD 0008.5901.00	OXLEY	SLT/P/22000/SM3	
Z83	LD SMD PI-FILTER 10GHZ SURFACE-MOUNT-FILTER	LD 0008.5901.00	OXLEY	SLT/P/22000/SM3	
Z85	LD SMD-T-FILTER 3,3NF SMD-FILTER	1039.1362.00	MURATA	NFM61R20T332T1	
Z86	LD SMD-T-FILTER 100PF SMD-FILTER	1039.1356.00	MURATA	NFM61R00T101T1	
Z87	LD SMD-T-FILTER 100PF SMD-FILTER	1039.1356.00	MURATA	NFM61R00T101T1	
Z88	LD SMD-T-FILTER 3,3NF SMD-FILTER	1039.1362.00	MURATA	NFM61R20T332T1	
Z89	LD SMD-T-FILTER 3,3NF SMD-FILTER	1039.1362.00	MURATA	NFM61R20T332T1	
Z90	LD SMD-T-FILTER 100PF SMD-FILTER	1039.1356.00	MURATA	NFM61R00T101T1	
Z91	LD SMD-T-FILTER 100PF SMD-FILTER	1039.1356.00	MURATA	NFM61R00T101T1	
Z92	LD SMD-T-FILTER 100PF SMD-FILTER	1039.1356.00	MURATA	NFM61R00T101T1	
Z93	LD SMD-T-FILTER 100PF SMD-FILTER	1039.1356.00	MURATA	NFM61R00T101T1	
Z94	LD SMD-T-FILTER 100PF SMD-FILTER	1039.1356.00	MURATA	NFM61R00T101T1	
Z95	LD SMD-T-FILTER 3,3NF SMD-FILTER	1039.1362.00	MURATA	NFM61R20T332T1	
Z700	LD SMD PI-FILTER 10GHZ SURFACE-MOUNT-FILTER	LD 0008.5901.00	OXLEY	SLT/P/22000/SM3	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C100	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C101	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C102	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C103	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C104	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C105	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C106	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C107	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C108	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C130	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C131	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C132	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C140	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C141	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C142	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C143	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C149	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C150 ..154	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C156	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C157	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C160	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C161	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C162	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C170	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C202	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	PHILIPS_CO	2222 863 *8102	
C212	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5195.00	PHILIPS_CO	2238 581 15645	
C214 ..219	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C240	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C241	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C242	CE 22 UF+-20%16V 7X 5X11 ELECTROLYTIC CAPACITOR	CE 0022.8091.00	KEMET	T340 C226M016 AS	
C259	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C260	CC 1,8NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7423.00	PHILIPS_CO	2222 863 18182	
C261	CC 1,8NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7423.00	PHILIPS_CO	2222 863 18182	
C276	CE 22UF +-10% 10V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7298.00	KEMET	T491 D 226 K 010 AS	
C277	CE 22UF +-10% 10V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7298.00	KEMET	T491 D 226 K 010 AS	
C285	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	
C290	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	AVX	1210 5C 224KA 11A	
C291	CC 82NF +-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5220.00	PHILIPS_CO	2238 581 15648	
C302	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6COG 101F 50PT	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C305	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C306	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C307	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C309	CC 22PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8396.00	MURATA	GRM42-6C0G 220F 50PT	
C310	CC 22PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8396.00	MURATA	GRM42-6C0G 220F 50PT	
C319	CC 68PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 06	CC 0099.8815.00	MURATA	GRM42-6C0G 680F 50PT	
C319	CC 12PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0099.8744.00	MURATA	GRM42-6C0G 120 F50PT	
C320	CC 68PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0099.8815.00	MURATA	GRM42-6C0G 680F 50PT	
C320	CC 120PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 06	CC 0099.8838.00	MURATA	GRM42-6C0G 121F 50PT	
C322	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C323	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C324	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT/NOT IN PCB	CC 0099.8480.00	MURATA	GRM42-6C0G 100 C50PT	
C331	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C335	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT/NOT IN PCB	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C340	CC 22PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8396.00	MURATA	GRM42-6C0G 220F 50PT	
C342	CC 4,7NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8450.00	PHILIPS_CO	2238 581 16623	
C343	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
C344	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C345	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C350 ..359	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C361	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C362	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C363	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C365 ..370	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	PHILIPS_CO	2238 581 55649	
C373	CC 120PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NUR VAR/ONLY MOD: 04	CC 0099.8838.00	MURATA	GRM42-6C0G 121F 50PT	
C374	CC 68PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8815.00	MURATA	GRM42-6C0G 680F 50PT	
C375 ..378	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT	CC 0099.8415.00	MURATA	GRM42-6C0G 101F 50PT	
D100	BL PC74HCT132T 4X2IN SCHM NAND SCHMITT TRIGGER	BL 0007.6340.00	PHILIPS	(PC)74HCT132(D/T)	
D102	BL PC74HC4094T 8ST.BUSREG BUS REGISTER	BL 0804.0977.00	PHILIPS_SE	(PC)74HC4094(D/T)	
D105	BL PC74HC08T 4X2IN.ANDG QUAD 2INPUT AND GATE	BL 0007.3486.00	PHILIPS_SE	(PC)74HC08(D/T)	
D110	BL PC74HC4094T 8ST.BUSREG BUS REGISTER	BL 0804.0977.00	PHILIPS_SE	(PC)74HC4094(D/T)	
D115	BL PC74HC86T 4X2IN EXOR QUAD 2INPUT EXOOR GATE	BL 0007.3511.00	PHILIPS_SE	(PC)74HC86(D/T)	
D120	BL PC74HC4094T 8ST.BUSREG BUS REGISTER	BL 0804.0977.00	PHILIPS_SE	(PC)74HC4094(D/T)	
D121	BL PC74HC4094T 8ST.BUSREG BUS REGISTER	BL 0804.0977.00	PHILIPS_SE	(PC)74HC4094(D/T)	

wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
D140	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D145	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D150	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D210	BL PC74HCT4051T 8CH.A.MUX ANALOG MULTIPLEXER	BL 0007.6827.00	PHILIPS	(PC)74HCT4051(T)	
D230	BL PC74HC4052T 2X4CH.MUX MULTIPLEXER	BL 0804.1044.00	PHILIPS_SE	(PC)74HC4052(D/T)	
D300	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D310	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D315	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D320	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D325	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
L100	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
L101	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
L102	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
L130	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L131	LD 1UH 10% 0,38A 1210 SMD-INDUCTOR	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L140	LD 1UH 10%OR45 0,1A1206 SMD MULTILAYER INDUCTOR	0007.4824.00	TOKO	MLF 3216 A 1RO KL	
L141	LD 1UH 10%OR45 0,1A1206 SMD MULTILAYER INDUCTOR	0007.4824.00	TOKO	MLF 3216 A 1RO KL	
L142	LD 1UH 10%OR45 0,1A1206 SMD MULTILAYER INDUCTOR	0007.4824.00	TOKO	MLF 3216 A 1RO KL	
L143	LD 1UH 10%OR45 0,1A1206 SMD MULTILAYER INDUCTOR	0007.4824.00	TOKO	MLF 3216 A 1RO KL	
N130	BO NE5532D 2XLN OPAMP OPERATIONAL AMPLIFIER	0007.7798.00	SIGNETICS	NE5532D	
N200	BO TL074ACD 4XFET OPAMP OPERATIONAL AMPLIFIER	0007.7823.00	TEXAS	TL074A(CD)	
N240	BO TL074ACD 4XFET OPAMP OPERATIONAL AMPLIFIER	0007.7823.00	TEXAS	TL074A(CD)	
N323	BO TL072ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS	TL 072 ACDR	
N328	BO TL074ACD 4XFET OPAMP OPERATIONAL AMPLIFIER	0007.7823.00	TEXAS	TL074A(CD)	
N335	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534(D)	
R100	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	ROEDERSTEI	D25	
R101	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	ROEDERSTEI	D25	
R102	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	ROEDERSTEI	D25	
R103	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R104	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	ROEDERSTEI	D25	
R107	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	ROEDERSTEI	D25	
R108	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R111	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R112	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R113	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R114	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	ROEDERSTEI	D25	
R115	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R116	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R119	RG 825 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.7259.00	ROEDERSTEI	D25	
R120	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R121	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R122	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R123	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R130	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R131	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R132	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R149	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R160	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R161	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R162	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R163	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R165	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R166	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R167	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R168	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R170	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R171	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	ROEDERSTEI	D25	
R172	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R173	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R206	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R209	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R210	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R211	RG 182 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5989.00	ROEDERSTEI	D25	
R212	RG 15,OKOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	ROEDERSTEI	D25	
R213	RG 121,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1960.00	ROEDERSTEI	D25	
R214	RG 56,2KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.1883.00	ROEDERSTEI	D25	
R215	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR NUR VAR/ONLY MOD: 06	RG 0007.0793.00	PHILIPS_CO	RCO2	
R215	RG 2,74KOHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5766.00	PHILIPS_CO	RCO2	
R235	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5737.00	ROEDERSTEI	D25	
R241 ..248	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RCO2	
R250 ..256	RG 20,OKOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	ROEDERSTEI	D25	
R259	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RCO2	
R260	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RCO2	
R261	RL 0,60W 215 KOHM+-1%TK50 RESISTOR	RL 0083.2264.00	RESISTA	MK2	
R262	RL 0,60W 30,9KOHM+-1%TK50 RESISTOR	RL 0083.1645.00	RESISTA	MK2	

wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R263	RL 0,60W 56,2KOHM+-1%TK50 RESISTOR	RL 0082.2231.00	RESISTA	MK2	
R264	RL 0,60W 10,5KOHM+-1%TK50 RESISTOR	RL 0083.1300.00	RESISTA	MK2	
R265	RL 0,60W 18,2KOHM+-1%TK50 RESISTOR	RL 0083.1480.00	RESISTA	MK2	
R266	RL 0,60W 2,74KOHM+-1%TK50 RESISTOR	RL 0083.0926.00	RESISTA	MK2	
R267	RL 0,60W 2,80KOHM+-1%TK50 RESISTOR	RL 0083.0932.00	RESISTA	MK2	
R268	RL 0,60W 215 KOHM+-1%TK50 RESISTOR	RL 0083.2264.00	RESISTA	MK2	
R269	RL 0,60W 30,9KOHM+-1%TK50 RESISTOR	RL 0083.1645.00	RESISTA	MK2	
R270	RL 0,60W 56,2KOHM+-1%TK50 RESISTOR	RL 0082.2231.00	RESISTA	MK2	
R271	RL 0,60W 10,5KOHM+-1%TK50 RESISTOR	RL 0083.1300.00	RESISTA	MK2	
R272	RL 0,60W 18,2KOHM+-1%TK50 RESISTOR	RL 0083.1480.00	RESISTA	MK2	
R273	RL 0,60W 2,74KOHM+-1%TK50 RESISTOR	RL 0083.0926.00	RESISTA	MK2	
R274	RL 0,60W 2,80KOHM+-1%TK50 RESISTOR	RL 0083.0932.00	RESISTA	MK2	
R275	RG 1,5MOHM+-5%TK200 1206 CHIP RESISTOR	0007.9955.00	PHILIPS_CO	RC 01	
R276	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	ROEDERSTEI	D25	
R277	RG 2,43KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5750.00	ROEDERSTEI	D25	
R278	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R279	RG 475 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6079.00	ROEDERSTEI	D25	
R280	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	ROEDERSTEI	D25	
R281	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	PHILIPS_CO	RC 02	
R282	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	ROEDERSTEI	D25	
R283	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R285	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	PHILIPS_CO	RC02	
R286	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	ROEDERSTEI	D25	
R287	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	ROEDERSTEI	D25	
R288	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	ROEDERSTEI	D25	
R289	RG 200 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5995.00	ROEDERSTEI	D25	
R290	RG 392 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6056.00	ROEDERSTEI	D25	
R291	RG 562 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6091.00	ROEDERSTEI	D25	
R295	RG 392 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6056.00	ROEDERSTEI	D25	
R296	RG 1,3 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5708.00	ROEDERSTEI	D25	
R297	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	ROEDERSTEI	D25	
R298	RS 0,25W500 OHM+-20% SMD POTENTIOMETER	RS 0007.9603.00	BI_TECHNOL	23 B R... TR	
R300	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R301	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R302	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R303	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	ROEDERSTEI	D25	
R304	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R305	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R307	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R308	RG 4,75KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5820.00	ROEDERSTEI	D25	
R311	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	ROEDERSTEI	D25	
R311	NUR VAR/ONLY MOD: 06 RG 4,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5814.00	ROEDERSTEI	D25	
R312	NUR VAR/ONLY MOD: 04 RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R313	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R314	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	ROEDERSTEI	D25	
R315	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	ROEDERSTEI	D25	
R316	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	ROEDERSTEI	D25	
R318	NICHT BESTUECKT/NOT IN PCB RG 4,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5814.00	ROEDERSTEI	D25	
R318	NUR VAR/ONLY MOD: 06 RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R319	NUR VAR/ONLY MOD: 04 RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R336	NICHT BESTUECKT RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R337	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R340	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R341	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	ROEDERSTEI	D25	
R342	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	PHILIPS_CO	RC02	
R350	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R351	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R352	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R353	NICHT BESTUECKT/NOT IN PCB RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R354	NUR VAR/ONLY MOD: 04 RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	ROEDERSTEI	D25	
R355 ..358	NUR VAR/ONLY MOD: 04 RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	PHILIPS_CO	RC02	
R359	NICHT BESTUECKT RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	ROEDERSTEI	D25	
R359	NUR VAR/ONLY MOD: 06 RG 182 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5989.00	ROEDERSTEI	D25	
R360 ..363	NUR VAR/ONLY MOD: 04 RG 2,2MOHM+-5%TK200 1206 CHIP RESISTOR	0007.9978.00	ROEDERSTEI	D 25	
R364	RG 2,2MOHM+-5%TK200 1206 CHIP RESISTOR	0007.9978.00	ROEDERSTEI	D 25	
R365	RG 2,2MOHM+-5%TK200 1206 CHIP RESISTOR	0007.9978.00	ROEDERSTEI	D 25	
R399	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	PHILIPS_CO	RC02	
R399	NUR VAR/ONLY MOD: 06 RG 33,2KOHM+-1%TK100 1206 RESISTOR CHIP NUR VAR/ONLY MOD: 04	RG 0007.5914.00	ROEDERSTEI	D25	
V110	AE 1N827 6,2V REFDI REFERENCE DIODE	AE 0418.0029.00	COMPENSATE	1N827(A)	
V130	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	VALVO	BAV99	

wir uns alle Rechte vor.

095 0026 0693

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
V211	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V212	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V235	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS_SE	BZV55B5V1 (GEG)	
V242	AE BZX79/B9V1 0,5W ZDI ZENER DIODE	AE 0491.7507.00	VALVO	BZX79B9V1	
V270	AM BSR58 N-D 40V JFET JFET	2020.3672.00	PHILIPS	BSR58	
V280	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V281	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V282	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V290	AD BAS32 75V UDI DIODE NICHT BESTUECKT/NOT IN PCB	AD 0006.7288.00	PHILIPS	BAS32 (L)	
V319	AE 5082-2800 SCHOTTKY DIODE NUR VAR/ONLY MOD: 06	AE 0012.9066.00	HEWLETT_PA	5082-2800	
V390	AD 1N4448 75V UDI DIODE NUR VAR/ONLY MOD: 06	AD 0012.0700.00	PHILIPS_SE	1N4448 "	
X1	FP BUCHSENLEISTE 60POL. CONNECTOR	FP 6024.3272.00	BERG_ELEKT	89892-330	
X290	FP STIFTL.WIN 36P.R2,54 ANGLE PIN CONNECTOR 2-POLIG	FP 0243.3578.00	BINDER	742-5-11-0187-00-36	
X305	FP STIFTL.WIN 36P.R2,54 ANGLE PIN CONNECTOR 4-POLIG	FP 0243.3578.00	BINDER	742-5-11-0187-00-36	

Für diese Unterlage behalten wir uns alle Rechte vor.

ROHDE&SCHWARZ

XY-Liste

XY List

Erklärung der Spaltenbezeichnungen:

Part:	Bauelement-Kennzeichen.
Side:	Leiterplatten-Seite, auf der sich das Bauelement befindet.
X/Y:	Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
SQR, PG:	Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

Explanation of column designations:

Part:	Identification of instrument part.
Side:	Side of the PC board on which instrument part is positioned.
X/Y:	Coordinates (millimeter) of the component on the PC board in reference to zero point.
SQR, PG:	Square and page of the diagram for the respective instrument part.

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
A101	B	293	130	5F	4	C355	B	278	107	8D	4	C545	B	249	20	6B	6
C1	B	227	114	1A	2	C356	B	274	107	8C	4	C546	B	276	21	6B	6
C6	A	206	133	2A	2	C357	B	282	100	9D	4	C547	B	255	15	7B	6
C7	B	140	129	2A	2	C359	A	273	92	10E	4	C553	A	225	21	7C	6
C8	B	120	116	3A	2	C360	B	283	86	10D	4	C560	B	201	13	8B	6
C50	A	196	126	7C	2	C361	B	290	70	12D	4	C562	B	186	20	9B	6
C51	B	185	86	10E	2	C362	A	266	66	11E	4	C564	B	198	22	9B	6
C52	B	172	86	10F	2	C400	A	266	69	2C	5	C568	B	222	41	10B	6
C201	A	130	123	4E	3	C401	B	272	72	3D	5	C569	A	223	38	10C	6
C202	B	129	119	4D	3	C402	B	283	74	4D	5	C570	B	211	43	10B	6
C203	B	129	111	4D	3	C404	A	279	65	3C	5	C571	B	211	34	10C	6
C206	A	181	118	9E	3	C405	A	279	61	4C	5	C573	B	203	43	11B	6
C208	A	197	110	10E	3	C410	A	271	76	5E	5	C575	B	195	43	11B	6
C210	A	99	128	8D	3	C412	B	276	79	5D	5	C580	B	187	46	11C	6
C212	A	106	148	8D	3	C417	A	250	84	7E	5	C582	B	178	46	11D	6
C218	B	90	123	10C	3	C440	A	188	30	9B	5	C583	B	178	34	12D	6
C219	B	105	109	10C	3	C445	B	251	68	1C	6	C584	B	170	39	12D	6
C221	A	170	112	10D	3	C500	B	249	76	1E	6	C585	A	191	84	2A	6
C222	A	132	115	10C	3	C501	A	240	79	2F	6	C599	B	174	46	9D	6
C224	A	112	111	10B	3	C502	B	243	65	2D	6	C600	B	144	67	1D	7
C230	A	163	124	6F	3	C503	A	239	62	3F	6	C601	B	139	73	1D	7
C231	A	170	121	7E	3	C504	B	233	64	3E	6	C602	B	134	83	2E	7
C233	B	139	118	3D	3	C505	B	235	58	3E	6	C603	B	147	80	2D	7
C243	A	154	114	2B	3	C506	B	223	56	3E	6	C604	B	119	78	3D	7
C244	A	148	117	3B	3	C507	B	223	65	4E	6	C605	B	102	84	3E	7
C245	A	149	123	2A	3	C508	B	230	79	3E	6	C606	B	102	76	4E	7
C246	A	122	128	4B	3	C509	A	217	67	4F	6	C607	B	104	67	4E	7
C247	A	136	136	4A	3	C510	B	216	62	5E	6	C608	B	95	74	4E	7
C248	A	113	138	3B	3	C511	B	202	53	5E	6	C609	A	132	67	2E	7
C249	A	116	124	3B	3	C512	B	204	67	5E	6	C610	A	123	97	2C	7
C250	A	113	136	3A	3	C513	B	210	79	5E	6	C611	A	147	90	4C	7
C253	A	179	125	4B	3	C514	A	197	69	6F	6	C613	B	71	130	4B	7
C254	A	173	128	4A	3	C515	B	193	67	6E	6	C614	B	74	125	5B	7
C255	A	93	129	5B	3	C516	B	192	54	6E	6	C615	B	63	137	4C	7
C256	A	92	137	5A	3	C517	B	181	62	7E	6	C616	B	57	125	5C	7
C257	A	97	121	6A	3	C518	A	179	66	7F	6	C617	B	55	119	5C	7
C300	B	264	136	4D	4	C519	B	168	75	8E	6	C618	B	48	127	5C	7
C301	B	282	133	5F	4	C520	B	168	66	8E	6	C619	B	60	112	5C	7
C302	B	279	129	5C	4	C521	B	168	58	8E	6	C620	B	73	109	6C	7
C303	B	269	132	4D	4	C522	B	173	75	8E	6	C621	B	124	89	3E	7
C313	B	264	126	5B	4	C523	B	174	66	8E	6	C622	B	117	89	3E	7
C315	B	281	114	5C	4	C524	B	173	58	8E	6	C625	B	73	82	6D	7
C316	B	276	123	6C	4	C525	B	166	50	9E	6	C627	B	64	78	7D	7
C318	A	255	121	6B	4	C526	A	173	40	9F	6	C628	B	48	79	8D	7
C319	A	255	131	6B	4	C527	B	163	41	11E	6	C629	B	52	73	8D	7
C325	B	263	121	6D	4	C530	A	255	59	2C	6	C631	B	131	77	2D	7
C327	B	281	111	7C	4	C531	B	241	56	2C	6	C632	B	124	74	2C	7
C328	B	272	117	7C	4	C532	B	262	55	2B	6	C633	B	57	65	9D	7
C329	A	268	99	7B	4	C533	B	295	48	2B	6	C634	B	64	66	8D	7
C330	A	262	114	7B	4	C534	B	271	49	3B	6	C635	B	81	58	9D	7
C340	B	265	108	8B	4	C536	A	236	44	3C	6	C636	B	80	54	9D	7
C350	A	284	118	5E	4	C537	B	260	37	4B	6	C637	B	75	75	9E	7
C351	A	285	110	7E	4	C538	B	276	34	4B	6	C638	A	102	99	2A	7
C352	A	274	105	7E	4	C539	B	258	29	5B	6	C639	A	105	88	3B	7
C353	A	281	116	6E	4	C540	A	228	32	5C	6	C640	B	93	61	10E	7

ROHDE & SCHWARZ	ÄI	Datum / Date	XY-Liste für / XY-list for	Sach-Nummer / Stock-Nr	Blatt / Page
	03	22.10.92	EE AUSGANGSTEIL_1.5GHZ OUTPUT_UNIT_1.5GHZ	1038.7780.01 XY	1+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C641	B	91	57	10D	7	C810	B	32	15	3C	9	D250-D				7C	3
C642	B	107	57	10D	7	C811	B	30	18	3C	9	D250-E				3B	3
C643	B	109	43	11D	7	C815	B	25	50	4C	9	D430-A	A	194	41	9D	5
C644	B	101	39	11E	7	C816	B	29	51	4C	9	D430-B				9B	5
C645	B	94	39	11D	7	C817	B	116	25	4E	9	D431-A	A	205	41	10E	5
C646	B	87	44	11D	7	C820	B	31	78	5D	9	D431-B				10E	5
C650	A	123	95	6A	7	C821	B	25	82	6C	9	D431-C				10E	5
C651	A	104	95	6A	7	C822	B	31	81	6D	9	D431-D				10D	5
C652	A	106	82	6A	7	C824	A	35	43	6D	9	D431-E				10D	5
C653	A	105	73	6A	7	C831	B	28	87	6D	9	D431-F				10D	5
C654	B	76	55	9D	7	C833	B	17	15	8E	9	D431-G				10B	5
C656	A	124	88	2B	7	C842	B	20	114	8D	9	D432-A	A	184	24	10C	5
C660	A	157	67	4F	7	C843	B	23	114	8D	9	D432-B				10C	5
C661	A	142	66	4F	7	C844	B	30	126	9C	9	D432-C				10C	5
C662	A	157	79	4E	7	C846	B	34	124	7C	9	D432-D				11B	5
C663	A	135	77	4E	7	C847	B	35	114	8C	9	D432-E				11B	5
C668	A	161	81	5F	7	C848	B	30	114	8C	9	D432-F				10B	5
C670	A	67	30	6F	7	C850	A	32	56	6A	9	D432-G				9B	5
C671	A	54	56	7F	7	C851	A	18	62	7A	9	D760	B	94	17	10D	8
C700	B	162	34	2D	8	C852	A	35	71	6B	9	L60	A	187	97	10D	2
C701	A	166	23	2D	8	C853	A	26	75	6C	9	L62	A	194	98	10D	2
C702	A	166	30	2E	8	C854	A	22	120	8A	9	L63	A	201	98	10D	2
C705	B	148	16	3C	8	C855	A	34	114	8A	9	L64	A	238	98	10C	2
C707	B	144	28	4C	8	C870	A	15	70	11B	9	L65	A	246	98	10C	2
C708	B	148	37	4C	8	C871	A	15	77	11C	9	L66	A	212	98	10C	2
C709	A	148	33	4C	8	D1-A	B	243	128	3E	2	L67	A	228	98	10C	2
C710	A	145	39	4C	8	D1-B				1A	2	L68	A	220	98	10B	2
C714	B	144	43	4C	8	D5-A	B	202	135	6D	2	L69	A	231	98	10B	2
C715	B	144	55	5C	8	D5-B				5D	2	L70	A	159	97	10B	2
C720	A	134	16	4D	8	D5-C				2A	2	L78	B	158	111	9E	2
C721	B	137	21	4D	8	D20-A	A	145	130	5C	2	L79	A	156	90	10E	2
C723	A	130	22	4D	8	D20-B				2A	2	L80	B	188	113	9D	2
C724	B	130	23	4E	8	D50-A	B	196	134	7C	2	L82	B	193	113	9D	2
C727	A	144	49	5E	8	D50-B				8E	3	L83	B	203	113	9D	2
C732	B	130	53	6D	8	D60-A	A	122	119	6C	2	L84	B	236	113	9C	2
C734	B	137	52	7C	8	D60-B				10C	3	L85	B	240	113	9C	2
C735	A	134	50	6C	8	D60-C				10C	3	L86	B	213	113	9C	2
C736	A	136	60	7C	8	D60-D				11C	3	L87	B	222	113	9C	2
C738	B	123	49	7D	8	D60-E				3A	2	L88	B	218	113	9B	2
C740	B	122	39	8D	8	D200-A	B	156	116	5D	3	L89	B	230	113	9B	2
C742	A	123	12	9E	8	D200-B				5C	3	L90	B	165	111	9B	2
C743	B	101	15	9D	8	D200-C				5C	3	L300	B	276	133	4D	4
C747	A	100	23	10D	8	D200-D				5C	3	L305	B	274	126	5C	4
C748	A	97	26	10D	8	D200-E				2B	3	L325	B	276	119	6C	4
C750	A	114	22	10E	8	D202-A	B	156	127	5E	3	L340	B	262	111	8C	4
C751	A	100	30	10E	8	D202-B				5D	3	L350	B	291	86	10D	4
C762	A	131	32	7E	8	D202-C				5E	3	L351	B	290	86	10D	4
C800	A	160	57	2B	9	D202-D				5E	3	L352	B	284	116	6E	4
C801	A	156	51	2B	9	D202-E				2B	3	L353	B	273	99	10E	4
C802	A	160	43	2B	9	D210-A	A	102	119	10C	3	L355	B	277	104	9D	4
C803	A	156	37	2B	9	D210-B				10C	3	L356	B	283	107	8E	4
C804	A	160	27	2A	9	D210-C				6B	3	L360	B	295	64	11D	4
C805	A	156	34	2A	9	D250-A	B	110	136	3B	3	L361	B	259	66	11E	4
C808	A	60	29	3B	9	D250-B				7C	3	L380	B	294	64	11D	4
C809	B	49	29	3B	9	D250-C				7C	3	L400	B	283	69	2D	5

ROHDE & SCHWARZ	ÄI	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	03	22.10.92	EE AUSGANGSTEIL_1.5GHZ OUTPUT_UNIT_1.5GHZ	1038.7780.01 XY	2+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
L410	B	268	76	4D	5	L620	B	60	126	5C	7	N200-B				3B	3
L416	B	244	79	6D	5	L621	B	74	128	5B	7	N230-A	B	167	122	6E	3
L417	B	257	84	6E	5	L630	B	67	83	7D	7	N230-B				7E	3
L430	A	241	63	11E	5	L632	B	58	83	7D	7	N230-C				4B	3
L431	A	217	64	11E	5	L633	B	84	83	6D	7	N233	B	139	114	2D	3
L432	A	196	63	11E	5	L642	B	71	65	9E	7	N240-A	B	180	122	9E	3
L500	B	233	76	2E	6	L643	B	79	76	9E	7	N240-B				11E	3
L501	B	239	58	2F	6	L644	B	101	55	10E	7	N240-C				5B	3
L505	B	220	64	4F	6	L645	B	101	52	10D	7	N250-A	B	106	140	8C	3
L510	B	199	66	6F	6	L647	B	109	46	11D	7	N250-B				8C	3
L517	B	177	61	7F	6	L648	B	96	42	11E	7	N250-C				5B	3
L520	B	166	33	9E	6	L649	B	96	44	11D	7	N300	B	297	97	9D	4
L530	B	258	59	2C	6	L650	B	90	43	11D	7	N360	B	297	79	11D	4
L532	B	259	55	2B	6	L651	B	81	44	12D	7	N410	B	262	80	6D	5
L533	B	294	52	2B	6	L660	A	157	71	3F	7	N600-A	A	117	98	2C	7
L534	B	274	50	3B	6	L661	A	142	69	4F	7	N600-B				2B	7
L536	B	232	43	3C	6	L662	A	157	76	3F	7	N600-C				3B	7
L537	B	257	37	4B	6	L663	A	138	77	4F	7	N600-D				3A	7
L538	B	269	37	4B	6	L668	A	157	84	5F	7	N600-E				6A	7
L539	B	262	30	5B	6	L670	A	70	30	6F	7	N610-A	A	109	79	3C	7
L540	B	279	34	4B	6	L671	A	57	57	7F	7	N610-B				5A	7
L541	B	253	34	5B	6	L705	B	148	19	3C	8	N620	B	57	136	4C	7
L542	B	250	29	5B	6	L706	B	135	14	3C	8	N740	B	121	18	8D	8
L543	B	225	33	5C	6	L709	B	148	32	4C	8	N820	B	25	26	3C	9
L544	B	270	18	7B	6	L714	B	144	51	5C	8	N840-A	A	28	72	6B	9
L545	B	242	23	6B	6	L720	B	133	25	4D	8	N840-B				10B	9
L546	B	268	23	6B	6	L727	A	144	46	5E	8	N840-C				11B	9
L547	B	259	18	7B	6	L730	B	130	40	5D	8	N840-D				11C	9
L548	B	262	23	6B	6	L732	B	133	55	7C	8	N840-E				6A	9
L549	B	232	23	7B	6	L738	B	122	53	7D	8	N845-A	A	31	119	7B	9
L550	B	287	23	6B	6	L739	B	122	43	8D	8	N845-B				7A	9
L551	B	280	15	7B	6	L740	B	114	11	9D	8	303	B	295	100	9D	4
L553	B	225	18	7C	6	L742	B	107	29	9E	8	309	B	283	81	10D	4
L559	B	217	17	8B	6	L748	B	106	15	9D	8	310	B	292	81	11D	4
L560	B	209	15	8B	6	L762	A	131	35	7E	8	413	B	264	86	5D	5
L561	B	196	16	9B	6	L800	A	156	54	2B	9	414	B	270	86	5D	5
L562	B	189	16	9B	6	L801	A	156	40	2B	9	507	B	222	50	3D	6
L563	B	173	20	9B	6	L802	A	156	30	2A	9	509	B	222	69	4D	6
L564	B	193	22	9B	6	L803	B	53	29	3B	9	514	B	218	58	5D	6
L565	B	211	24	9B	6	L807	B	62	17	2C	9	515	B	203	58	5D	6
L566	B	173	24	9B	6	L814	B	34	25	4D	9	516	B	201	65	5D	6
L568	B	227	38	10C	6	L815	B	28	45	4D	9	518	B	190	64	6D	6
L570	B	215	43	10B	6	L816	B	72	23	4D	9	519	B	189	65	6D	6
L571	B	205	36	11B	6	L817	B	111	23	4E	9	520	B	178	58	7D	6
L572	B	197	34	11B	6	L818	B	94	29	4E	9	522	B	177	77	7E	6
L580	B	189	34	11C	6	L820	B	28	72	5D	9	528	B	166	70	8D	6
L583	B	181	36	11C	6	L822	B	25	63	5C	9	529	B	166	61	8D	6
L584	B	172	42	11D	6	L829	B	25	97	8D	9	542	B	268	55	2B	6
L585	A	197	84	2A	6	L830	B	19	97	7D	9	543	B	293	41	2B	6
L600	B	139	67	2F	7	L831	B	15	120	7D	9	544	B	291	37	3B	6
L601	B	133	70	2E	7	L832	B	17	51	7D	9	545	B	277	41	4B	6
L602	B	143	86	2D	7	L833	B	20	18	7E	9	548	B	238	20	6B	6
L604	A	144	90	4C	7	L843	B	20	126	8C	9	550	B	170	16	8B	6
L608	B	102	78	4E	7	L845	B	36	135	9B	9	600	B	136	83	2E	7
L610	B	102	69	4E	7	N200-A	A	132	129	3E	3	607	B	108	69	4D	7

ROHDE & SCHWARZ	ÄI	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	03	22.10.92	EE AUSGANGSTEIL_1.5GHZ OUTPUT_UNIT_1.5GHZ	1038.7780.01 XY	3+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
608	B	110	69	4D	7	R30-D				6E	2	R219	A	177	112	11E	3
705	B	164	30	2C	8	R30-E				6E	2	R220	A	180	109	10E	3
740	B	123	23	8D	8	R30-F				6E	2	R221	A	171	109	10D	3
820	B	25	39	4C	9	R30-G				6E	2	R231	B	119	122	9D	3
833	B	25	22	3C	9	R30-H				6F	2	R232	A	94	145	8C	3
851	B	30	132	11D	9	R30-I				6F	2	R233	A	106	145	8C	3
P201	B	138	133	4E	3	R31	A	166	136	2E	2	R234	B	106	128	8C	3
P202	B	170	127	7E	3	R32	A	161	136	2D	2	R235	B	96	125	8C	3
P203	B	194	116	8E	3	R33	A	154	136	2D	2	R240	A	112	119	9C	3
P204	B	184	123	10E	3	R34	A	159	136	2D	2	R241	A	109	116	9C	3
P205	B	199	116	11E	3	R35	A	156	136	2C	2	R242	A	86	116	9C	3
P206	B	196	116	10F	3	R36	A	164	136	2C	2	R243	A	88	109	9C	3
P207	B	98	143	8C	3	R37	A	241	126	2C	2	R244	A	88	111	9C	3
P208	B	96	130	8C	3	R38	A	239	126	2C	2	R245	A	111	109	9C	3
P209	B	101	130	9C	3	R39	A	236	126	2C	2	R246	A	126	115	10C	3
P210	B	91	143	9C	3	R40	A	221	144	4D	2	R247	A	109	114	10B	3
P211	B	93	115	10C	3	R41	A	144	133	5C	2	R251	B	125	119	2D	3
P212	B	90	115	10C	3	R42	A	112	122	6C	2	R252	A	91	129	5B	3
P213	B	112	116	11C	3	R43	B	157	132	2C	2	R253	A	106	143	5A	3
P232	B	96	143	8D	3	R44	B	160	132	2C	2	R300	B	272	135	2D	4
P233	B	119	124	3D	3	R45	B	163	132	2B	2	R301	B	274	135	2D	4
P600	B	120	84	2C	7	R46	B	165	132	2B	2	R302	B	277	135	2D	4
P601	B	112	83	3C	7	R47	B	168	132	2B	2	R303	B	279	135	2D	4
P620	B	141	96	3B	7	R48	A	171	132	2B	2	R304	B	282	135	3D	4
P621	B	141	93	3A	7	R50	A	189	130	7C	2	R305	B	284	135	3D	4
P628	B	137	90	3C	7	R51	A	194	130	7C	2	R306	B	287	135	3D	4
P850	B	37	106	6B	9	R52	A	186	130	7C	2	R307	B	290	135	3D	4
P851	B	37	109	7C	9	R53	A	191	126	7C	2	R308	B	292	135	3D	4
P866	B	37	102	8B	9	R56	A	221	85	11E	2	R310	B	268	138	3C	4
R1	A	244	144	2D	2	R57	A	224	85	11E	2	R312	B	267	136	4D	4
R2	A	242	144	2D	2	R58	A	226	85	11E	2	R313	A	274	117	6C	4
R3	A	239	144	2D	2	R59	A	229	85	11D	2	R314	B	271	126	5C	4
R4	A	237	144	2D	2	R81	B	200	114	9D	2	R315	B	259	124	5B	4
R5	A	234	144	2D	2	R82	B	233	114	9C	2	R316	B	264	129	5B	4
R6	A	232	144	2D	2	R83	B	246	112	9C	2	R317	B	254	114	5C	4
R7	A	229	144	2D	2	R87	B	190	98	10D	2	R318	B	257	114	6C	4
R9	A	234	126	3C	2	R88	B	198	98	10D	2	R319	A	272	121	6C	4
R10	A	218	141	4D	2	R90	A	254	94	10C	2	R320	A	257	121	6B	4
R11	A	218	137	4D	2	R91	A	251	89	10C	2	R321	A	258	127	6B	4
R12	A	218	135	4D	2	R92	A	238	89	10B	2	R325	B	259	119	6D	4
R13	A	218	132	4D	2	R200	B	134	135	2F	3	R327	A	267	109	7C	4
R14	A	218	130	4D	2	R201	A	128	132	2E	3	R328	A	272	114	7C	4
R15	A	218	127	4D	2	R203	A	133	132	3E	3	R329	B	271	89	7B	4
R16	A	218	124	4D	2	R204	A	130	136	3E	3	R330	A	261	102	7B	4
R20	A	201	115	4E	2	R206	B	151	135	5E	3	R332	B	260	106	8B	4
R21	A	204	115	4E	2	R207	B	151	133	5E	3	R333	A	270	132	8B	4
R22	A	206	115	4E	2	R208	B	142	118	4D	3	R340	B	262	108	8C	4
R23	A	209	115	4E	2	R209	B	144	118	4C	3	R341	B	262	99	8B	4
R24	A	211	115	4E	2	R210	B	159	124	6E	3	R342	B	265	102	8B	4
R25	A	214	115	4E	2	R211	A	166	118	7E	3	R348	A	279	113	6E	4
R26	A	217	115	4E	2	R212	A	161	112	8E	3	R349	A	277	113	6D	4
R27	A	208	133	4F	2	R214	B	184	134	9E	3	R350	A	279	123	5E	4
R30-A	B	199	121	6E	2	R216	B	184	129	10E	3	R353	A	274	102	7E	4
R30-B				6E	2	R217	A	188	119	11E	3	R354	A	270	107	7D	4
R30-C				6E	2	R218	A	187	110	10E	3	R355	A	271	96	7D	4

ROHDE & SCHWARZ	ÄI	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	03	22.10.92	EE AUSGANGSTEIL_1.5GHZ OUTPUT_UNIT_1.5GHZ	1038.7780.01 XY	4+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R356	B	276	93	10E	4	R611	A	134	90	3C	7	R724	B	131	29	4E	8
R357	B	277	96	10E	4	R612	A	124	83	3C	7	R730	B	137	41	5C	8
R360	B	272	64	11E	4	R613	A	113	81	3C	7	R731	B	130	51	6D	8
R361	B	259	64	11E	4	R614	A	116	74	3C	7	R732	B	130	60	7D	8
R400	B	269	71	2D	5	R615	A	122	79	3C	7	R734	A	137	55	6C	8
R401	B	259	69	2C	5	R616	A	122	91	2B	7	R735	A	132	47	6C	8
R402	B	266	74	2C	5	R617	A	126	100	2C	7	R741	A	107	11	9D	8
R404	A	277	68	4D	5	R618	A	136	93	1C	7	R742	A	112	14	9D	8
R405	A	286	70	4D	5	R619	B	138	96	1C	7	R743	A	120	11	9E	8
R406	A	281	72	4C	5	R620	A	133	96	1B	7	R745	B	101	12	10C	8
R407	A	285	61	4C	5	R621	B	92	78	5E	7	R747	A	103	23	10D	8
R408	B	272	66	3C	5	R622	B	128	83	3E	7	R748	A	91	27	10D	8
R409	B	282	61	4C	5	R623	B	92	81	5E	7	R750	A	112	17	10E	8
R410	A	271	79	4E	5	R624	B	92	83	5E	7	R751	A	90	30	10E	8
R411	A	270	84	4E	5	R625	B	92	86	5E	7	R753	A	113	27	10E	8
R412	A	276	85	4E	5	R626	B	95	89	5D	7	R754	A	114	29	10E	8
R413	A	281	83	5E	5	R627	B	93	91	5D	7	R760	B	101	32	10C	8
R416	B	234	82	6E	5	R628	B	93	94	5D	7	R761	B	78	44	10C	8
R417	B	244	84	6E	5	R629	B	128	86	3E	7	R800	B	94	14	2C	9
R430	A	245	67	10E	5	R630	B	68	124	5C	7	R803	B	91	15	2C	9
R431	A	215	52	10E	5	R632	B	65	121	5C	7	R815	B	104	23	4E	9
R432	A	185	39	10E	5	R634	B	71	120	5B	7	R816	B	108	25	4E	9
R433	A	183	50	10D	5	R635	A	127	88	1A	7	R817	B	84	23	4E	9
R434	A	243	47	10D	5	R636	A	119	91	2B	7	R819	B	33	76	5D	9
R435	A	210	40	10D	5	R637	A	106	84	2B	7	R820	B	25	76	5C	9
R436	A	201	30	10C	5	R638	A	107	101	2A	7	R821	B	27	80	6C	9
R437	A	205	17	10C	5	R639	A	104	97	2A	7	R822	B	23	84	6D	9
R438	A	243	34	10C	5	R640	B	67	109	6D	7	R824	A	35	81	6D	9
R440	A	170	23	10B	5	R641	B	55	83	7D	7	R825	A	36	39	6D	9
R442	A	181	44	11D	5	R642	B	81	83	7D	7	R826	A	33	35	6E	9
R443	A	246	38	11C	5	R644	B	53	65	8D	7	R831	B	33	98	7D	9
R450	A	353	192	11D	5	R645	B	66	72	9D	7	R833	A	17	44	7E	9
R451	A	353	192	11D	5	R646	B	69	76	9D	7	R835	A	49	21	7F	9
R452	A	353	192	11D	5	R647	B	76	71	9E	7	R836	A	49	23	7F	9
R453	A	353	192	11D	5	R648	A	76	64	9E	7	R837	A	49	26	7F	9
R454	A	353	192	11C	5	R649	B	70	54	9D	7	R838	A	45	32	6F	9
R455	A	353	192	11C	5	R651	A	113	67	2C	7	R839	A	39	32	6E	9
R500	A	240	76	2F	6	R652	B	130	74	2C	7	R840	A	41	26	7E	9
R501	A	240	74	2F	6	R653	B	353	192	1C	7	R841	B	30	129	9D	9
R502	A	240	71	2F	6	R654	B	353	192	1B	7	R842	B	30	131	9D	9
R503	B	236	67	3E	6	R655	B	73	51	9D	7	R843	B	19	129	8C	9
R520	A	168	40	9F	6	R657	A	102	92	2B	7	R844	B	36	126	9C	9
R521	A	171	40	9F	6	R658	A	107	92	3B	7	R845	B	33	129	8B	9
R522	A	166	40	9F	6	R700	B	159	41	2D	8	R846	B	27	111	8C	9
R530	B	245	59	2C	6	R701	B	160	31	2D	8	R848	B	32	114	8C	9
R600	B	150	73	2D	7	R702	B	161	29	3D	8	R850	A	28	58	5B	9
R601	B	136	70	2E	7	R704	A	163	27	2D	8	R851	B	32	61	5B	9
R602	A	130	74	2E	7	R705	A	170	34	2E	8	R852	A	24	61	5B	9
R603	A	133	77	2E	7	R706	B	144	25	4C	8	R854	A	22	79	5B	9
R604	B	124	81	2D	7	R707	B	144	34	4C	8	R855	A	22	81	6B	9
R605	B	149	80	2D	7	R709	A	148	39	3C	8	R856	A	36	125	7B	9
R607	A	125	74	3D	7	R710	A	145	33	4C	8	R857	A	26	111	7B	9
R608	B	122	78	2D	7	R720	A	134	13	3D	8	R858	B	353	192	5B	9
R609	B	127	71	2D	7	R721	A	135	22	4D	8	R859	B	353	192	5B	9
R610	A	353	192	4B	7	R723	B	130	20	4E	8	R861	A	32	99	8B	9

ROHDE & SCHWARZ	ÄI	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	03	22.10.92	EE AUSGANGSTEIL_1.5GHZ OUTPUT_UNIT_1.5GHZ	1038.7780.01 XY	5+

Part	Side	X	Y	Sqr	Pg
R863	A	34	99	8B	9
R866	A	37	111	7C	9
R867	B	36	124	7C	9
R868	B	27	117	8C	9
R869	A	32	110	8C	9
R870	A	35	60	9B	9
R871	A	35	65	10C	9
R872	A	15	72	11B	9
R873	A	18	67	11B	9
R874	A	18	75	11C	9
R875	A	35	76	10C	9
R876	A	32	74	10B	9
R899	A	34	125	7B	9
U600	B	69	96	6D	7
V200	A	123	132	3E	3
V201	A	119	132	3E	3
V217	B	196	119	10E	3
V310	B	280	123	6C	4
V315	B	274	113	7C	4
V318	A	260	112	6B	4
V319	A	261	132	6B	4
V330	A	258	100	7B	4
V333	A	274	135	8B	4
V349	A	279	107	6D	4
V350	A	282	122	5E	4
V351	A	283	109	7E	4
V352	A	264	105	6D	4
V400	B	281	72	4D	5
V404	A	291	76	4C	5
V405	A	291	61	4C	5
V411	A	274	86	4E	5
V412	A	284	86	5E	5
V430	A	251	62	11E	5
V431	A	212	58	11E	5
V432	A	190	57	11E	5
V433	A	181	57	11D	5
V434	A	249	49	11D	5
V435	A	217	43	11D	5
V436	A	208	35	11C	5
V437	A	213	18	11C	5
V438	A	239	37	11C	5
V500	B	242	69	2E	6
V502	B	231	71	3E	6
V505	B	231	75	3E	6
V510	B	225	77	4E	6
V511	B	215	75	4E	6
V512	B	210	75	5E	6
V514	B	204	77	6E	6
V515	B	191	75	6E	6
V516	B	183	77	7E	6
V520	B	170	51	9E	6
V523	B	170	45	9D	6
V530	B	247	67	1C	6
V532	B	251	54	1B	6
V535	B	251	47	3B	6
V536	B	244	39	3B	6
V539	B	241	31	5B	6
V540	B	236	28	5B	6
V543	B	232	27	7B	6
V544	B	218	25	7B	6
V548	B	217	29	10B	6
V600	B	139	70	2E	7
V602	B	144	81	2D	7
V604-A	B	127	81	2E	7
V604-B				2D	7
V606-A	A	115	84	3C	7
V606-B				2B	7
V608	A	113	74	3C	7
V610	B	57	67	8D	7
V612	B	76	58	9D	7
V635	A	110	88	2A	7
V636	B	116	101	2A	7
V700-A	B	157	36	2D	8
V700-B				2D	8
V705	B	145	18	4C	8
V707	B	144	48	5C	8
V720	B	132	15	4D	8
V725	B	131	37	5E	8
V730	B	132	43	6D	8
V735	B	124	56	7D	8
V745	A	105	23	10D	8
V746	A	88	23	10D	8
V747	A	112	20	10D	8
V748	A	86	27	10D	8
V822	B	25	96	6C	9
V825	A	30	38	6E	9
V830	A	17	37	6E	9
V831	A	24	26	7E	9
V832	A	39	28	7E	9
V837	A	41	30	6F	9
V844-A	B	30	121	9C	9
V844-B				7C	9
V850-A	A	28	107	7B	9
V850-B				6B	9
V857	A	26	123	7B	9
V870	A	36	62	10B	9
V871	B	36	69	10B	9
VC1	B	167	86	10F	2
VC2	B	178	86	10E	2
X1	B	250	94	11F	2
X10A	B	124	141	8C	2
X10B	B	124	141	1B	2
X10C	B	124	141		
X101	B	297	137	2C	4
X104	B	259	137	8F	2
X105	B	69	137	4A	7
X108	B	30	137	12D	9
Z81	B	178	109	10F	2
Z82	B	183	109	10E	2
Z83	B	173	109	10E	2
Z85	B	188	107	10D	2
Z86	B	193	107	10D	2
Z87	B	203	107	10D	2
Z88	B	234	107	10C	2
Z89	B	239	107	10C	2
Z90	B	213	107	10C	2
Z91	B	224	107	10C	2
Z92	B	218	107	10B	2
Z93	B	229	107	10B	2
Z94	B	168	107	10B	2
Z95	B	163	107	10E	2
Z700	B	87	130	4B	7

Part	Side	X	Y	Sqr	Pg
C100	A	84	15	2E	2
C101	A	90	15	2E	2
C102	B	50	14	2D	2
C103	B	62	14	2C	2
C104	B	57	14	2C	2
C105	B	131	14	2B	2
C106	A	116	15	2B	2
C107	A	114	15	2B	2
C108	A	87	15	2E	2
C130	B	93	21	10C	2
C131	A	94	10	10C	2
C132	B	120	26	5C	2
C140	A	81	10	10B	2
C141	A	79	10	10B	2
C142	A	76	10	10B	2
C143	A	74	10	10B	2
C149	A	20	18	5A	2
C150	A	39	31	3A	2
C151	A	54	31	4A	2
C152	A	23	29	4A	2
C153	B	74	32	7A	2
C154	A	88	35	7A	2
C156	A	41	18	7A	2
C157	A	20	74	5A	2
C160	A	33	54	6E	2
C161	A	22	54	9E	2
C162	A	7	58	10E	2
C170	A	30	18	6A	2
C202	A	123	15	2D	3
C212	B	113	45	4C	3
C214	A	120	26	3A	3
C215	A	117	35	3A	3
C216	A	97	42	4A	3
C217	A	91	41	4A	3
C218	B	118	49	6A	3
C219	A	115	58	6A	3
C240	A	134	45	7A	3
C241	A	138	45	7A	3
C259	A	119	10	2E	3
C260	B	120	44	7D	3
C261	B	132	40	6D	3
C276	B	137	23	9D	3
C277	B	144	23	9D	3
C285	A	125	10	11E	3
C290	B	146	51	11D	3
C291	B	140	59	11D	3
C302	B	69	14	2C	4
C305	A	104	15	2C	4
C306	A	102	15	2B	4
C307	A	99	15	2E	4
C309	A	30	62	3F	4
C310	A	33	69	3D	4
C319	B	78	76	7B	4
C320	B	75	65	8E	4
C322	B	61	66	5D	4
C323	B	58	74	5C	4
C324	B	61	69	5B	4
C331	A	107	10	11C	4
C335	A	109	10	11B	4
C340	B	6	39	9E	4
C342	B	4	30	10F	4
C343	A	97	10	11E	4
C344	A	76	72	6A	4
C345	A	76	68	6A	4
C350	A	49	59	1A	4
C351	A	51	59	2A	4
C352	A	52	51	2A	4
C353	A	61	56	2A	4
C354	A	66	56	2A	4
C355	B	66	48	3A	4
C356	A	41	62	7A	4
C357	A	13	33	8A	4
C358	A	11	27	8A	4
C359	A	30	69	7A	4
C361	A	76	54	4A	4
C362	A	78	54	4A	4
C363	B	80	49	4A	4
C365	A	88	58	3A	4
C366	A	90	58	3A	4
C367	B	90	49	3A	4
C368	A	43	75	5A	4
C369	A	45	75	5A	4
C370	A	46	69	5A	4
C373	B	85	73	8C	4
C374	B	85	70	8C	4
C375	B	52	76	8D	4
C376	B	71	80	8C	4
C377	B	52	71	8D	4
C378	B	71	77	8C	4
D100-A	B	16	20	2D	2
D100-B				3D	2
D100-C				4D	2
D100-D				6D	2
D100-E				5A	2
D102-A	B	41	27	2E	2
D102-B				3A	2
D105-A	B	26	20	3C	2
D105-B				3C	2
D105-C				6C	2
D105-D				8A	2
D105-E				6A	2
D110-A	B	56	27	4E	2
D110-B				3A	2
D115-D	B	37	20	2A	3
D115-A	B	37	20	4C	2
D115-B				5C	2
D115-C				3E	2
D115-E				6A	2
D120-A	B	27	27	7E	2
D120-B				4A	2
D121-A	B	18	71	11E	2
D121-B				5A	2
D140-B	B	31	48	2D	4
D140-A	B	31	48	6E	2
D145-B	B	18	48	2E	4
D145-A	B	18	48	8E	2
D150-B	B	5	48	9E	4
D150-A	B	5	48	10E	2
D210-A	B	100	44	3E	3
D210-B				4A	3
D230-A	B	121	58	6E	3
D230-B				6A	3
D300-A	B	46	51	4C	4
D300-B				4B	4
D300-C				4B	4
D300-D				4C	4
D300-E				1A	4
D310-A	B	59	51	7E	4
D310-B				7E	4
D310-C				7D	4
D310-D				7E	4
D310-E				2A	4
D315-A	B	84	51	7C	4
D315-B				4D	4
D315-C				4C	4
D315-D				7C	4
D315-E				3A	4
D320-A	B	72	51	10C	4
D320-B				5E	4
D320-C				5E	4
D320-D				10C	4
D320-E				4A	4
D325-A	B	39	69	7D	4
D325-B				7D	4
D325-C				7C	4
D325-D				7C	4
D325-E				5A	4
L100	B	128	14	2B	2
L101	B	117	14	2B	2
L102	B	113	14	2B	2
L130	B	90	21	9D	2
L131	B	93	11	9C	2
L140	B	81	11	9B	2
L141	B	79	11	9B	2
L142	B	76	11	9B	2
L143	B	74	11	9B	2
N130-A	B	88	27	9D	2
N130-B				9C	2
N130-C				7A	2
N200-C	B	117	30	3D	3
N200-D				3C	3
N200-E				3A	3
N200-A	B	117	30	4B	2
N200-B				6B	2
N240-A	B	132	44	8D	3

ROHDE & SCHWARZ	ÄI	Datum / Date	XY-Liste für / XY-list for	Sach-Nummer / Stock-Nr	Blatt / Page
	02	13.08.92	EE NF_TEIL AF_PART	1038.7996.01 XY	1+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
N240-B				9D	3	R119	B	109	22	4B	2	R268	B	98	69	7D	3
N240-C				10D	3	R120	B	32	28	2F	2	R269	B	104	69	7D	3
N240-D				9E	3	R121	B	46	27	4E	2	R270	B	101	79	7D	3
N240-E				7A	3	R122	B	22	25	7E	2	R271	B	109	69	7D	3
N323-A	B	32	63	3E	4	R123	B	16	79	11E	2	R272	B	106	79	7D	3
N323-B				3D	4	R130	B	78	25	8D	2	R273	B	119	69	7D	3
N323-C				7A	4	R131	B	120	23	5C	2	R274	B	111	79	7D	3
N328-A	B	9	36	9E	4	R132	B	112	23	4B	2	R275	B	133	60	8B	3
N328-B				10E	4	R149	B	35	23	5C	2	R276	B	129	40	8D	3
N328-C				11E	4	R160	B	31	45	5E	2	R277	B	129	47	8D	3
N328-D				10E	4	R161	B	43	53	5E	2	R278	B	126	53	8C	3
N328-E				8A	4	R162	B	43	62	5E	2	R279	B	135	58	8C	3
N335-A	B	72	72	7B	4	R163	B	47	49	5E	2	R280	B	130	53	8C	3
N335-B				6A	4	R165	B	22	66	8E	2	R281	B	138	58	9B	3
2	B	55	26	3A	2	R166	B	27	66	8E	2	R282	B	126	40	9E	3
4	B	23	22	5A	2	R167	B	24	66	8E	2	R283	B	136	55	10F	3
7	B	44	24	6A	2	R168	B	24	45	8E	2	R285	B	125	14	11E	3
9	B	50	37	4A	2	R170	B	5	62	9E	2	R286	B	142	41	9D	3
11	B	17	15	5A	2	R171	B	14	66	9E	2	R287	B	135	40	9D	3
14	B	38	15	6A	2	R172	B	11	66	9E	2	R288	B	140	40	9D	3
16	B	132	48	7B	3	R173	B	9	45	9E	2	R289	B	145	41	10D	3
18	B	98	38	4A	3	R206	B	123	11	2D	3	R290	B	140	57	10D	3
30	B	30	53	6F	2	R209	B	124	42	2D	3	R291	B	147	41	10C	3
32	B	6	60	10F	2	R210	B	113	40	3C	3	R295	B	143	48	10E	3
34	B	27	54	9E	2	R211	B	120	39	3D	3	R296	B	128	31	10C	3
36	B	18	74	5A	2	R212	B	117	39	3C	3	R297	B	128	34	10C	3
40	B	48	62	1A	4	R213	B	107	39	4C	3	R298	B	131	22	10C	3
42	B	58	56	2A	4	R214	B	109	53	4B	3	R300	B	18	62	3F	4
44	B	76	57	4A	4	R215	B	113	43	3C	3	R301	B	30	62	3E	4
46	B	50	51	2A	4	R235	B	88	46	5A	3	R302	B	71	11	1D	4
48	B	76	47	4A	4	R240	B	133	65	7A	3	R303	B	104	11	1C	4
50	B	11	36	8A	4	R241	B	98	34	3E	3	R304	B	102	11	1B	4
52	B	38	64	7A	4	R242	B	103	34	3E	3	R305	B	99	11	1E	4
55	B	59	52	2A	4	R243	B	105	27	3E	3	R307	B	64	71	5C	4
60	B	117	25	3B	3	R244	B	92	34	4E	3	R308	B	64	69	5B	4
62	B	104	42	4B	3	R245	B	102	46	4E	3	R311	B	64	66	5C	4
64	B	124	48	6B	3	R246	B	111	34	4E	3	R312	B	72	64	5E	4
66	B	86	46	3A	4	R247	B	105	34	4E	3	R313	B	69	61	8D	4
68	B	93	60	3B	4	R248	B	100	27	4E	3	R314	B	61	61	7E	4
71	B	47	79	5B	4	R250	B	100	30	4E	3	R315	B	62	46	7E	4
73	B	41	67	5A	4	R251	B	103	23	4E	3	R316	B	65	46	7E	4
82	B	32	51	3D	4	R252	B	95	30	4E	3	R318	B	72	46	9D	4
R100	B	84	11	2E	2	R253	B	95	48	4E	3	R319	B	82	46	9C	4
R101	B	89	11	2E	2	R254	B	111	27	4E	3	R336	B	107	14	11C	4
R102	B	52	11	2D	2	R255	B	108	30	4E	3	R337	B	109	14	11B	4
R103	B	60	11	2C	2	R256	B	97	23	4E	3	R340	B	4	39	10E	4
R104	B	55	11	2C	2	R259	B	120	11	2E	3	R341	B	6	30	10E	4
R107	B	86	11	2E	2	R260	B	111	62	6E	3	R342	B	97	14	11E	4
R108	B	63	30	2E	2	R261	B	131	69	7E	3	R350	B	58	64	5D	4
R111	B	63	27	2E	2	R262	B	116	69	7E	3	R351	B	64	74	5C	4
R112	B	52	25	2E	2	R263	B	114	79	7E	3	R352	B	58	71	5B	4
R113	B	19	10	2D	2	R264	B	129	69	7E	3	R353	B	81	62	7C	4
R114	B	19	7	2C	2	R265	B	126	79	7E	3	R354	B	81	64	7C	4
R115	B	32	10	2C	2	R266	B	121	69	7E	3	R355	B	54	65	7D	4
R116	B	46	21	3F	2	R267	B	124	79	7E	3	R356	B	68	77	7C	4

ROHDE & SCHWARZ	ÄI	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	02	13.08.92	EE NF_TEIL AF_PART	1038.7996.01 XY	2+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R357	B	55	69	7D	4	R365	B	85	68	8C	4	V280	B	137	36	9D	3
R358	B	55	74	7C	4	V110	B	124	20	4C	2	V281	B	142	38	10D	3
R359	B	71	75	7B	4	V130	B	85	22	8C	2	V282	B	145	38	10D	3
R360	B	58	78	8D	4	V211	B	114	30	3C	3	V290	B	140	54	11D	3
R361	B	36	76	8D	4	V212	B	109	37	4C	3	X1	A	53	3	1B	2
R362	B	64	78	8C	4	V235	A	85	44	5A	3	X290	B	137	64	11D	3
R363	B	78	80	8C	4	V241	B	129	62	7A	3	X305	B	88	64	10B	4
R364	B	84	76	8C	4	V270	B	124	58	8C	3						

ROHDE&SCHWARZ

Stromläufe
Bestückungspläne
Circuit diagrams
Components plans
Schémas de circuit
Plans des composants

(R 29500 BI 4)
095 1000 BI 4

Modifikation OPU 1 SME / SMT

Info von Hr. Richt 24.06.1996

Betreff: Pegelprobleme im Bereich 30 bis 40 Mhz.

Falls beim OPU1 der geforderte Ausgangspegel von mindestens 14 dBm nicht erreicht werden kann ist es möglich den Ausgangspegel über eine inoffizielle Modifikation anzuheben.
Diese Modifikation ist nicht freigegeben.

Änderung:

1.) R 821 von 561 Ohm auf 464 Ohm ändern.

2.) parallel zu C 603 einen Kondensator SMD mit 10 pF.

Danach muß der ZF Pegel neu abgeglichen werden, und die Verbesserung des Ausgangspegels geprüft werden.

Ramm Helmut 24.06.1996