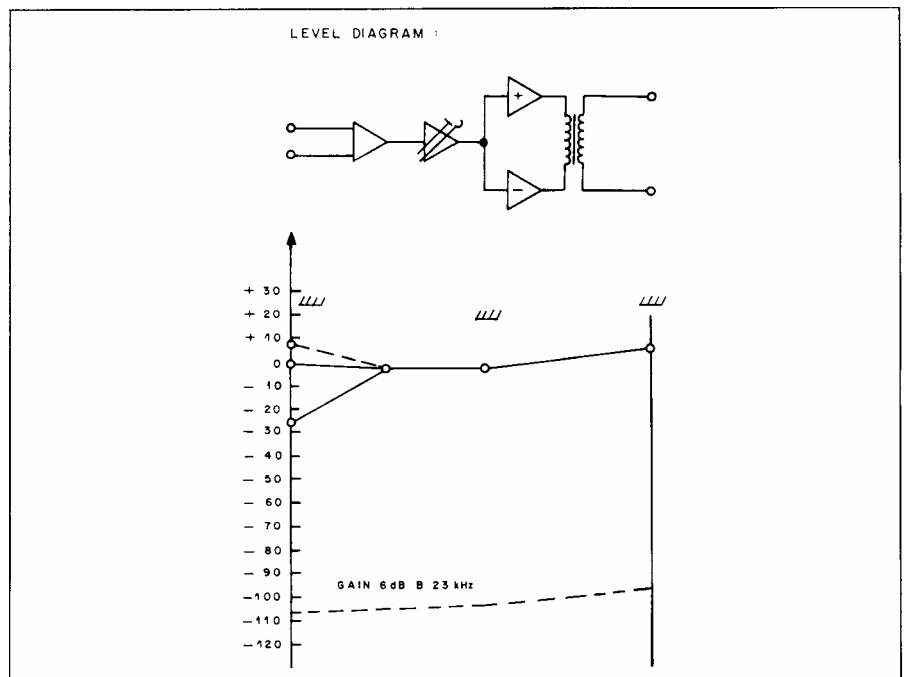
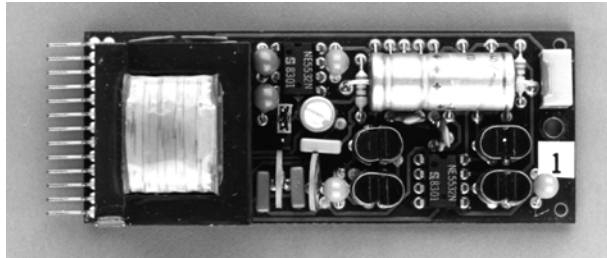


Line Output Amplifier

1.914.501

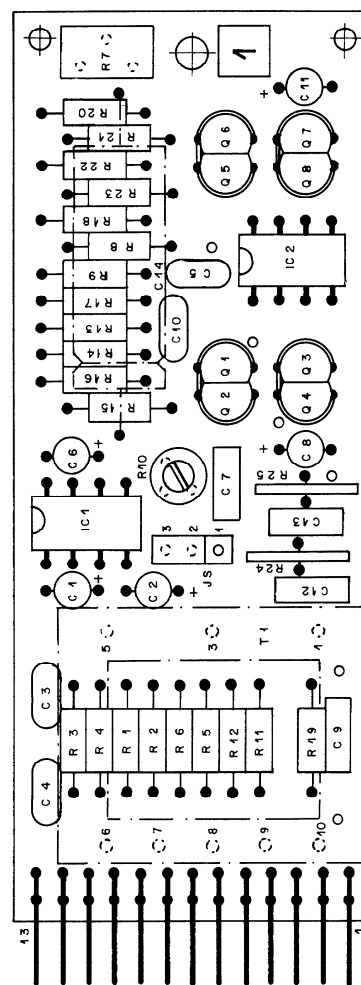
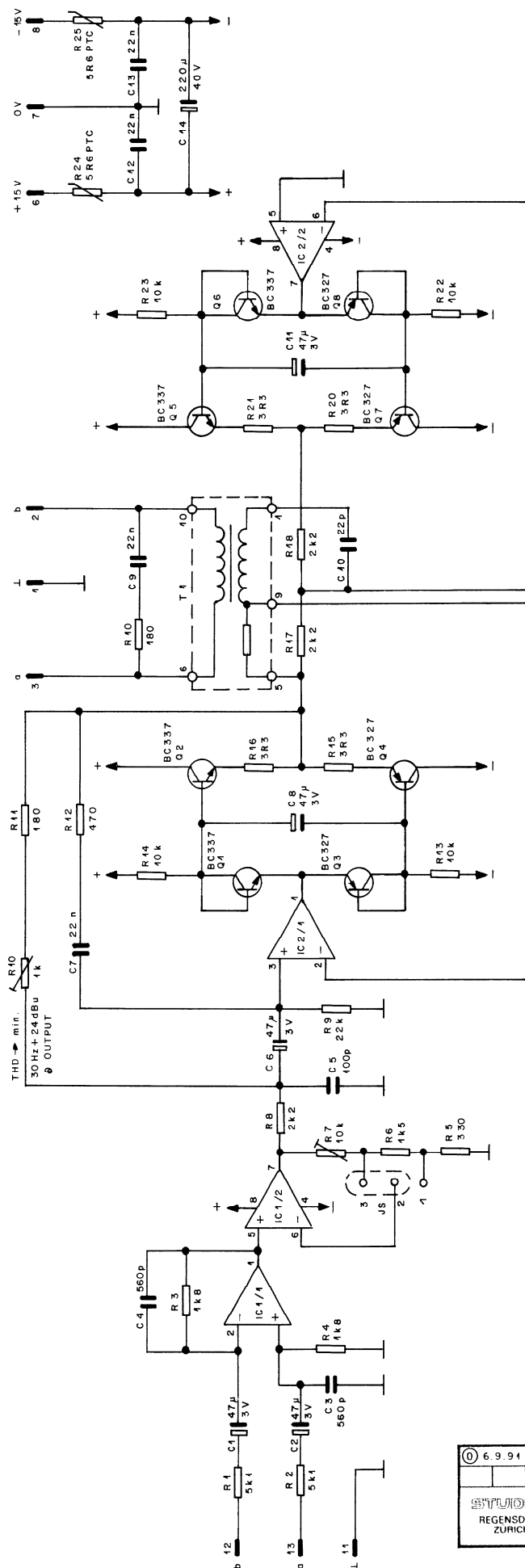
Designed for operation at a nominal line level of +6 dBu (1.55 V_{rms}), this amplifier can handle levels of up to +24 dBu (12.3 V_{rms}), providing an excellent overload margin without the risk of clipping. A unique circuit around the primary of the amplifier's output transformer ensures excellent frequency response performance throughout the audible range. Fine and coarse gain adjustment is provided which allows to accommodate input levels in the range from -22...+8 dBu for a nominal +6 dBu output.



Technical Specifications

Input:	Impedance	> 10 kΩ , electronically balanced (transformerless)
	Overload point	+24 dBu
Output:	Impedance	< 50 Ω , balanced and floating
	Minimum load	200 Ω
	Maximum level	+24 dBu
	Gain	–2 dB...+28 dB ; adjustment: coarse 0 or 15 dB, fine –2 dB...+13 dB
	Frequency response	± 0.2 dB , 30 Hz...16 kHz
	THD	< 0.01% , 30 Hz...16 kHz
	Equivalent input noise	< –106 dB , linear, at 6 dB gain
Supply:		± 15 V (25 mA idling; max. 170 mA at +24 dBu into 200 Ω)
Dimensions:		MS-card , 34 \times 85 mm
Ordering Information:	Line output amplifier	1.914.501.xx

LINE AMPLIFIER MSC



BC 327, 337
C B E
O O O

IC 1/2 5532
8 1
7 2
6 3
5 4

1.0 2.2 .355
1 3 5
O O O
2 4 6
T 1
O O O O
10 9 8 7 6

BOTTOM VIEW

PIN		(c)	(b)	(c)	(d)
INP a	13	1	7	24	27
INP b	12	2	8	22	28
⊥	11	3	9	23	29
OUT a	3	4	10	24	30
OUT b	2	5	11	25	31
⊥	1	6	13	26	32
+ 15V	6	16			
0V	7	15			
-15V	8	14			

0 6.9.91				
STUDER REGENSDORF ZÜRICH	LINE AMPLIFIER (NR 1)			SC 1.914.501.00

MSC LINE AMPLIFIER

Ad	POS.	REF.No	DESCRIPTION				MANUFACTURER
①	C.....1	59.30.1470	47μ	3V	TA		
①	C.....2	59.30.1470	47μ	3V	TA		
	C.....3	59.34.5561	560pF	5%	CER		
	C.....4	59.34.5561	560pF	5%	CER		
	C.....5	59.34.4101	100pF		CER		
	C.....6	59.30.1470	47μF	3V	TA		
	C.....7	59.06.0222	2200pF		PE		
	C.....8	59.30.1470	47μF	3V	TA		
	C.....9	59.06.0223	0,022μF		PE		
	C.....10	59.34.2220	22pF		CER		
	C.....11	59.30.1470	47μF	3V	TA		
	C.....12	59.06.0223	0,022μF		PE		
	C.....13	59.06.0223	0,022μF		PE		
	C.....14	59.25.5221	220μF	40V	EL		
	IC.....1	50.09.0105	NE5532	XR5532 DUAL OP LOW NOISE		SIG/EX	
	IC.....2	50.09.0105	NE5532	XR5532 DUAL OP LOW NOISE		SIG/EX	
	JSJ	54.01.0021	JUMPER JACK				
	JSP	54.01.0020	JUMPER PLUG 3PIN				
	Q.....1	50.03.0516	BC337	NPN	IC 0,8A] MATCHED	ST
	Q.....2	50.03.0516	BC337	NPN	IC 0,8A		ST
	Q.....3	50.03.0625	BC327	PNP	IC 0,8A] MATCHED	ST
	Q.....4	50.03.0625	BC327	PNP	IC 0,8A		ST
	Q.....5	50.03.0516	BC337	NPN	IC 0,8A] MATCHED	ST
	Q.....6	50.03.0516	BC337	NPN	IC 0,8A		ST
	Q.....7	50.03.0625	BC327	PNP	IC 0,8A] MATCHED	ST
	Q.....8	50.03.0625	BC327	PNP	IC 0,8A		ST
	R.....1	57.11.3512	5k1	1%			
	R.....2	57.11.3512	5k1	1%			
	R.....3	57.11.3182	1k8	1%			
	R.....4	57.11.3182	1k8	1%			
	R.....5	57.11.4331	330				
	R.....6	57.11.4152	1k5				
	R.....7	58.11.9103	10k	TRIM LIN			
	R.....8	57.11.4222	2k2				
	R.....9	57.11.4223	22k				
	R.....10	58.11.6102	1k	TRIM LIN			
	R.....11	57.11.4681	680				
	R.....12	57.11.4471	470				
	R.....13	57.11.4103	10k				
	R.....14	57.11.4103	10k				
	R.....15	57.11.4339	3,3				
	R.....16	57.11.4339	3,3				
	R.....17	57.11.4222	2k2				
	R.....18	57.11.4222	2k2				
	R.....19	57.11.4181	180				
	R.....20	57.11.4339	3,3				
	R.....21	57.11.4339	3,3				
	R.....22	57.11.4103	10k				
	R.....23	57.11.4103	10k				
	R.....24	57.11.0209	5,6	PTC		PH	
	R.....25	57.11.0209	5,6	PTC		PH	
		50.20.2001		CLIP			
	T.....1	1.022.355.00	LINE OUTPUT TRAFO				ST

CER=Ceramic, EL=Electrolytic, PE=Polyester, TA=Tantalum

MANUFACTURER: ST=Studer, SIG=Signetics, EX=Exar, PH=Philips

1.914.501.00 LINE AMPLIFIER (Nr. 1)

FRI 06/06/83

1.914.501.00 LINE AMPLIFIER (Nr. 1)

① FRI 17/11/83

END

