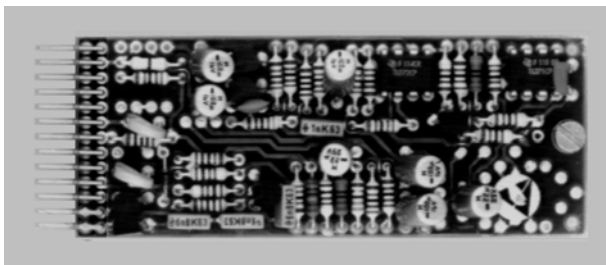


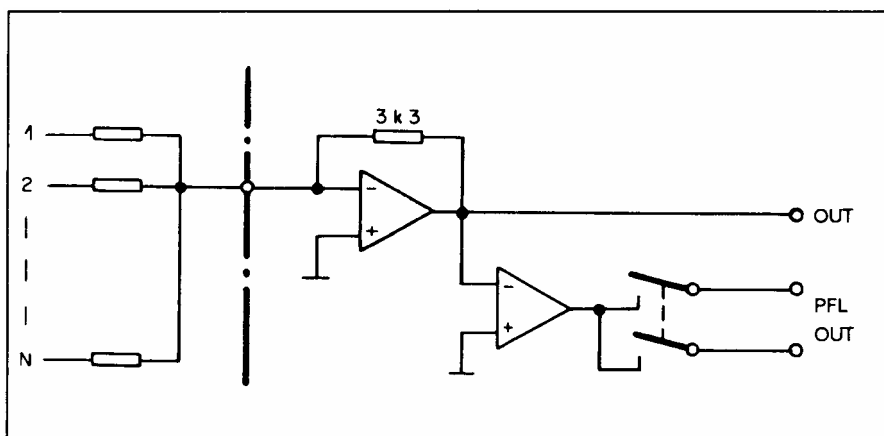
0-Ω Input Amplifier with PFL Facility

1.914.530

This amplifier with its characteristic input impedance of less than 1 Ω finds its application as a summing amplifier. A multitude of unbalanced sources can thus be mixed with a high degree of effective isolation between the individual inputs.



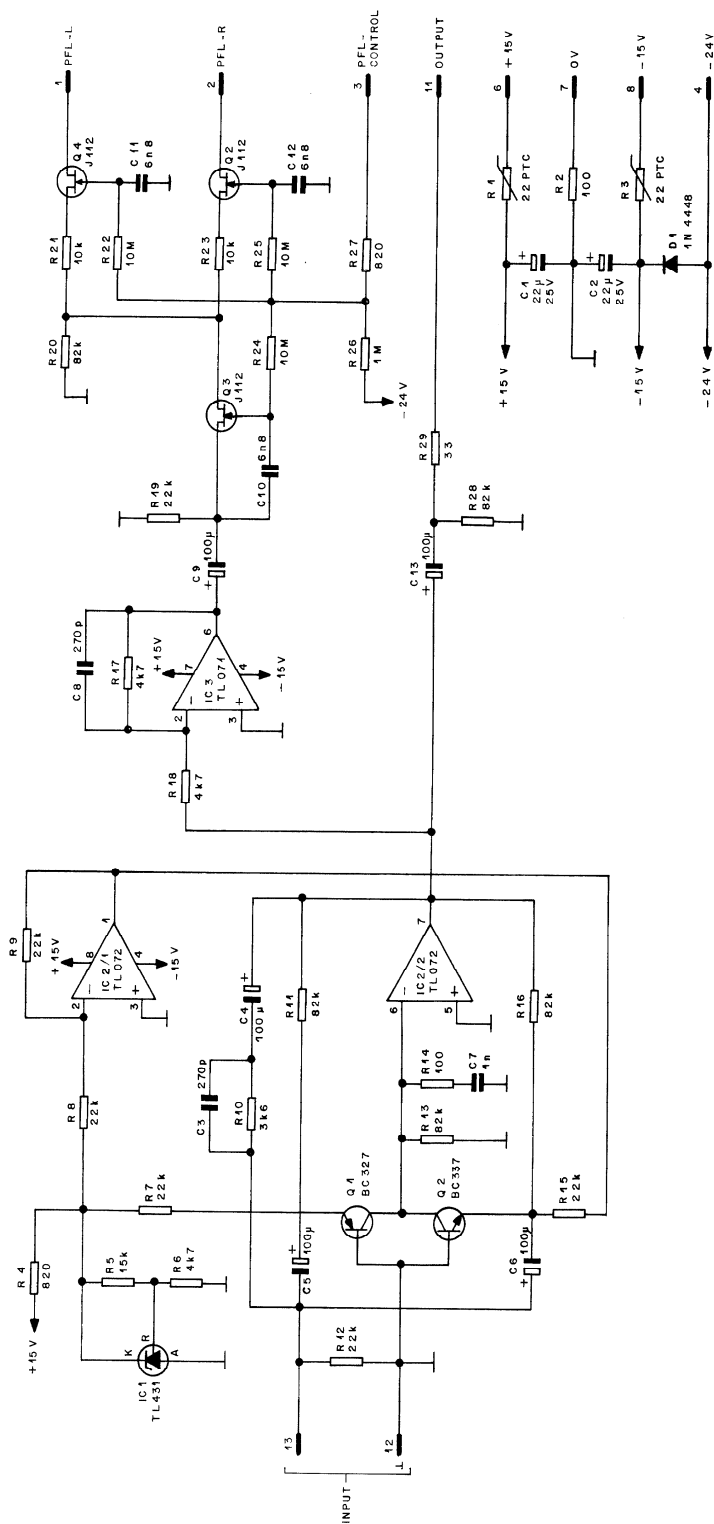
When using 3.3 kΩ resistors as combining (mixing) resistors in series with each source feeding the summing bus, gain will be unity (0 dB), i.e., the amplifier's output level will be equal to the level of the signal source ahead of the combining resistor. The amplifier's output is unbalanced, with low impedance. Additional outputs for monitoring (or pre-listening) can be activated via solid-state switches by remote control.



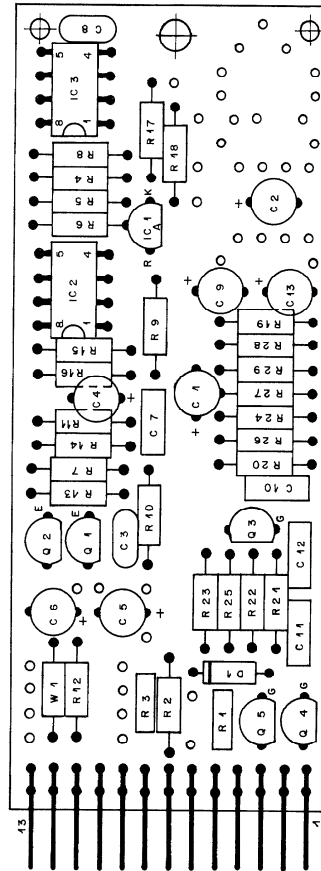
Technical Specifications

Input:	Max. current	2.5 mA_{rms} for max. output swing
	Current for 0 dBu	234.2 μA ; 0 dBu output (\approx 3.3 kΩ at the input for unity gain)
Output:	Impedance	33 Ω
	Max. output swing	+20 dBu
	Load	≥ 600 Ω @ max. output swing
	Frequency response	±0.3 dBu , 30 Hz...16 kHz
	THD	< -75 dB , 30 Hz...16 kHz
	Noise voltage at the output	-110 dBu , input terminated with 3.3 kΩ, bandwidth 23 kHz
	Noise figure, 12 inputs	F < 2 dB \approx R _S = 275 Ω
Supply:		+15 V (11 mA idling); -15 V (7 mA idling)
Dimensions:		MS-card , 34 × 85 mm
Ordering Information:		Zero-Ω input amplifier (PFL facility)

1.914.530.xx



SCHILDER 43.04.0108 / 1.914.530-04. AUFGEKLEBT NACH FABRIKATIONSMUSTER.



CIS	PIN	EURO 32 PIN
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32



BC 327
BC 337
CBE

MPF 4392
J412
D.S.G.

TL 071
TL 072
TL 073

TL 431
R.A.K.

IC 1

BOTTOM VIEW

© 24.9.91	STUDER REGENSDORF ZÜRICH	0- Ω -INPUT WITH PFL	ESE	1.914.530.00
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MSC 0Ω-INPUT

Ad	..POS..	...REF.No...	DESCRIPTION.....	MANUFACTURER
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C.....1	59.22.5220	22 uF	25V	EL	
C.....2	59.22.5220	22 uF	25V	EL	
C.....3	59.34.4271	270 pF		CER	
C.....4	59.22.3101	100 uF	10V	EL	
C.....5	59.22.3101	100 uF	10V	EL	
C.....6	59.22.3101	100 uF	10V	EL	
C.....7	59.06.0102	1 nF		PE	
C.....8	59.34.4271	270 pF		CER	
C.....9	59.22.3101	100 uF	10V	EL	
C.....10	59.06.0682	6.8 nF		PE	
C.....11	59.06.0682	6.8 nF		PE	
C.....12	59.06.0682	6.8 nF		PE	
C.....13	59.22.3101	100 uF	10V	EL	
D.....1	50.04.0125	1N4448			any
IC.....1	50.10.0106	TL431CLP	voltage regulator		TI, Mot
IC.....2	50.09.0101	TL072	dual op.amp.		TI
IC.....3	50.09.0103	TL071	dual op.amp.		TI
P.....1	54.01.0273		CIS, 13 pin		
Q.....1	50.03.0625	BC327	PNP, low noise		
Q.....2	50.03.0516	BC337	NPN, low noise		
Q.....3	50.03.0350	J112	N-J-FET		NS, Mot, Six
Q.....4	50.03.0350	J112	N-J-FET		NS, Mot, Six
Q.....5	50.03.0350	J112	N-J-FET		NS, Mot, Six
R.....1	57.92.1121	22 Ohm	PTC		
R.....2	57.11.4101	100 Ohm			
R.....3	57.92.1121	22 Ohm	PTC		
R.....4	57.11.4821	820 Ohm			
R.....5	57.11.4153	15 kOhm			
R.....6	57.11.4472	4.7 kOhm			
R.....7	57.11.4223	22 kOhm			
R.....8	57.11.4223	22 kOhm			
R.....9	57.11.4223	22 kOhm			
R.....10	57.11.3362	3.6 kOhm			
R.....11	57.11.4823	82 kOhm			
R.....12	57.11.4223	22 kOhm			
R.....13	57.11.4823	82 kOhm			
R.....14	57.11.4101	100 Ohm			
R.....15	57.11.4223	22 kOhm			
R.....16	57.11.4823	82 kOhm			
R.....17	57.11.4472	4.7 kOhm			
R.....18	57.11.4472	4.7 kOhm			
R.....19	57.11.4223	22 kOhm			
R.....20	57.11.4823	82 kOhm			
R.....21	57.11.4103	10 kOhm			
R.....22	57.11.5106	10 MOhm			
R.....23	57.11.4103	10 kOhm			
R.....24	57.11.5106	10 MOhm			
R.....25	57.11.5106	10 MOhm			
R.....26	57.11.4105	1 MOhm			
R.....27	57.11.4821	820 Ohm			
R.....28	57.11.4823	82 kOhm			
R.....29	57.11.4330	33 Ohm			
W.....1	57.11.4000	0 Ohm			

CER = ceramic, EL = electrolytic, PE = polyester

MANUFACTURER Mot=Motorola, NS=National Semiconductor, Six=Siliconics,
TI=Texas Instruments

1.914.530.00 0-Ω INPUT WITH PFL WY 87/06/1800