

Panson Audio Labs

Initial Power Amplifier

Power Board rev 3.2 for 3-Lead TO-264 MOSFET output devices

Part	Component List	Misc.
R17	22 - 100Ω	1%, 0.5 W metal film
R18	22 - 100Ω	1%, 0.5 W metal film
R20	22 - 100Ω	1%, 0.5 W metal film
R22	22 - 100Ω	1%, 0.5 W metal film
R23		5%, 2 W wire wound
R24	0.22Ω	MPC 5%, 5W
R25	0.22Ω	MPC 5%, 5W
R26	0.22Ω	MPC 5%, 5W
R27	0.22Ω	MPC 5%, 5W
R28	10Ω	5%, 2 W wire wound
R29	10Ω	5%, 2 W wire wound
L1	10 turns on R28	
T1	N-channel Power MOSFET	
T2	N-channel Power MOSFET	
T3	P-channel Power MOSFET	
T4	P-channel Power MOSFET	
Q11	omitted with B-E shorted	
Q12	omitted with B-E shorted	
D3	omitted	
D4	omitted	
D5	omitted	App Note 101
D6	omitted	App Note 101
D7	omitted	App Note 101
D8	omitted	App Note 101
C10	0.1uF	BC MKP
C11	0.1uF	BC MKP
C12	optional	
C13	0.1uF	BC MKP
C14	0.1uF	BC MKP

C16
C8
C9
SV4
SV5
SV6
X3
X4

0.1uF
820uF, 63V
820uF, 63V
female 90 deg.pin header 10x2
female 90 deg.pin header 5x2
female 90 deg.pin header 5x2
Connector
Connector

BC MKP
United Chemi-Con
United Chemi-Con