

Panson Audio Labs

Initial Power Amplifier

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

Component List

Part	Value	Misc.
R17	10 Ω	1%, 0.5 W metal film
R18	10 Ω	1%, 0.5 W metal film
R20	10 Ω	1%, 0.5 W metal film
R22	10 Ω	1%, 0.5 W metal film
R23	180 Ω	5%, 2 W wire wound
R24	0.22 Ω	MPC 5%, 5W
R25	0.22 Ω	MPC 5%, 5W
R26	0.22 Ω	MPC 5%, 5W
R27	0.22 Ω	MPC 5%, 5W
R28	10 Ω	5%, 2 W wire wound
R29	10 Ω	5%, 2 W wire wound
L1	10 turns on R28	
T1	MJL21194	ON Semi
T2	MJL21194	ON Semi
T3	MJL21193	ON Semi
T4	MJL21193	ON Semi
Q12	MJE15030	ON Semi
Q13	MJE15031	ON Semi
D3	1N4007	
D4	1N4007	
D5	optional	App Note 101
D6	optional	App Note 101
D7	optional	App Note 101
D8	optional	App Note 101
C10	0.1 μ F	BC MKP
C11	0.1 μ F	BC MKP
C12	optional	
C13	0.1 μ F	BC MKP
C14	0.1 μ F	BC MKP
C16	0.1 μ F	BC MKP

C8	820uF, 63V	United Chemi-Con
C9	820uF, 63V	United Chemi-Con
SV4	female 90 deg.pin header 10x2	
SV5	female 90 deg.pin header 5x2	
SV6	female 90 deg.pin header 5x2	
X3	Connector	
X4	Connector	
H1	Heat sink for MJE15030	
H2	Heat sink for MJE15031	