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Transistors T1 and T2 form a Darlington pair acting as a compound emitter-follower with a reference voltage provided by Z1. Z1 is chosen as a 13 or 18 volt zener for a 12 or 17 volt supply respectively. Since T2 dissipates only a small amount of power a heatsink is not required.

austereo power supply

Resistor:
R1 = see table

Semiconductors:
T1 = 2N3055
T2 = see table

Capacitors:
C1 = 2200 μ , 25 V
C2 = 100 μ , 25 V

Trafo:
Tr = 2 A sec., see table

Sundries:
B = B40C2200
Z1 = zenerdiode, 250 mW, see table
N = neon
S = on/off switch

	12 V	17 V
R1	270 Ω	680 Ω
Z1	13 V	18 V
T2	TUN	BC107
Tr	12 V~	18 V~

