

Parts List

- Capacitors

C1 - .05uf 3V
C2 - .01uf 12V
C3 - 470uF
C4 - 120uF
C5 - 1uf 12V
C6 - 470uF
C7 - 1uf 12V
C8 - 10uf 12V
C9 - 10uf 6V
C10 - 100uf 6V
C11 - 100uf 6V
C12 - 5uf 6V
C13 - 300uf 9V
C14 - 300uf 9V
C15 - .01uf 150V
C16 - 1000uF 25V

- Resistor

R1 - 330K
R2 - 1.5K
R3 - 4.7K
R4 - 4.7K
R5 - 10K
R6 - 220 ohm
R7 - 1K
R8 - 3.3K
R9 - 10K
R10 - 100K
R11 - 27K
R12 - 1K
R13 - 15K
R14 - 270K
R15 - 2.2K
R16 - 4.7K
R17 - 125K variable
R18 - 39K
R19 - 3.3k
R20 - 470 ohm
R21 - 100 ohm
R22 - 1000 ohm 10 watt
R23 - 1000 ohm 10 watt
R24 - 1000 ohm 10 watt
R25 - 1000 ohm 10 watt
R26 - 1K

- transistors

Electrical Characteristics		MAT100 PNP	MAT101 PNP	MAT120 PNP	MAT121 PNP	ADT140 PNP
A.F current gain hfe. At (VCE=1.5V, Ic=0.5mA)	Min	25	75			
	Typical	50	100			
	Max	75	250			
A.F current gain hfe. At (VCE=6V, Ic=4mA)				25	75	
				50	150	
				75	250	
Cut off frequency Vex at (VCE=1.5V, Ic=0.5mA)		60Mc/s	60Mc/s			
VCE Sat. (minimum Collector voltage) at Ic=1mA		0.04V	0.04V			
Alpha Cutoff Frequency fa at (VCE=6V, Ic=4mA)				120Mc/s	120Mc/s	
VCE Sat. (Ic=6mA)				0.05V	0.05V	
Absolute Maximum Ratings						
Storage temperature	-65C to 85C					
Junction temperature	85C					
Collector voltage	-6V					
Collector current	-50mA					
Total dissipation at 45C	25mW					
Lead temperature	230C +/- 5C					