

Bill of Materials for:
D:\MAGARTCL\KP0000\KP0000.BOM

Item #	Count	Label-Value	DESCRIPTION	Designation
Line Reference	Number of parts	Component value	Part name	Reference Designator
1	1	3300u (note 1)	Capacitor, electrolytic	C101
2	1	10u (note 1)	Capacitor, electrolytic	C102
3	1	1N4001	Rectifier, 1 amp	D101
4	1	2N2222a	NPN transistor	Q101
5	4	100K	Resistor, ¼w, 5%	R101,R102,R103,R105
6	1	10K	Resistor, ¼w, 5%	R104
7	1	LM358 (note 2)	Integrated Circuit	U101
			The usual miscellaneous chassis, nuts, bolts, wire, and such.	

NOTES:

1. Electrolytic capacitors must have a voltage rating at or above the voltage of the circuit in which they are being used. 35+ volts for a 28 volt airplane and 16+ volts for a 14 volt airplane.
2. You may use the more popular LM324 if you wish, but you will waste the three unused sections and the IC is twice as big.