

Power Electronics Project

Electric Light Dimmer circuit using SCR or TRIAC

List of Apparatus:

Sr. No.	Apparatus Name	Quantity	Specifications
1	Capacitor	1	0.338 microf / 8.2 nf Polyester film Capacitor
2	Diac	1	TYN604 - 600V - 4A SCR - Thyristor
3	Triac	1	6A4 6A 400V Silicon Rectifier Diode
4	Bulb / Load Resistance	1	10 W , 100 ohm
5	Potentiometer	1	10K to 100K, (0.5-6.0) Wattage.
6	PCB	1	
7	Multimeter	1	Mastech MS8233C Digital Multimeter, AC-90 V
8	Digital Storage Oscilloscope (DSO)	1	Siglent Technologies SDS1052DL+ 50 MHz Digital Storage Oscilloscope

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