**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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