

Product Name :
Diac Characteristics**Product Code :**
ALABS-A36-077**Description :****Diac Characteristics**

01. To plot V-I Characteristics of a DIAC and study the following :

1. Breakover voltage, VBO.
2. Negative resistance region.
3. VBO symmetry and delta V

02. To study the applications of a DIAC as :

1. Saw tooth waveform generator.
2. Pulse train generator.

Features:

The board consists of following built-in parts:

1. 0-50V D.C. at 50mA, regulated Power Supply.
2. 45V A.C. at 50mA, unregulated Power Supply.

3. D.C. Voltmeter, 65mm rectangular dial to read 0-50V D.C.

4. D.C. Ammeter, 65mm rectangular dial with switch selectable ranges of 200mA and 50mA.

5. DIAC.

6. Potentiometer and adequate no. of other electronic components.

7. Mains ON/OFF switch, Fuse and Jewel light.

- The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre.
- Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- Weight : 3 Kg. (Approx.)
- Dimension : W 340 x H 110 x D 210

Other Apparatus Required:

- Cathode Ray Oscilloscope 20MHz



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