

Product Name :
Diac Characteristics

Product Code :
NLAB-ELECTRONICSAB420012



Description :

Diac Characteristics

Technical Specification :

Experimental Training Board has been designed specifically to study the characteristics and applications of a is extensively used

now a days in power control circuits.

Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

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

- 1.1 Breakover voltage, VBO.
- 1.2 Negative resistance region.
- 1.3 VBO symmetry and delta V

02. To study the applications of a DIAC as :

2.1 Saw tooth waveform generator.

2.2 Pulse train generator.

Features:

The board consists of following built-in parts:

01. 0-50V D.C. at 50mA, regulated Power Supply.

02. 45V A.C. at 50mA, unregulated Power Supply.

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

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

05. DIAC.

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

07. 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.

Other Apparatus Required:

Cathode Ray Oscilloscope 20MHz

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