

Product Name :
Study of Varactor Diode Characteristics

Product Code :
NLAB-ELECTRONICSAB420004

Description :

Study of Varactor Diode Characteristics

Technical Specification :

Experimental Training Board has been designed specifically for the Study of Varactor Diode Characteristics.

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

Object:

01. To determine the Junction(transition) Capacitance of a Varactor Diode as a function of the reverse bias voltage and to evaluate the internal contact potential.

02. To use the Varactor Diode as a variable capacitor.

Features:

The board consists of the following built-in parts:

01. 0-10V D.C at 100mA, continuously variable regulated Power Supply.

02. D.C. Voltmeter, 65 mm Rectangular dial to read 0-10V.

03. Varactor Diode.

04. Inductor and adequate no. of other electronic components.

05. 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:

Digital Capacitance Meter

Audio Frequency Generator

Digital Frequency Counter

Cathode Ray Oscilloscope 20MHz

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