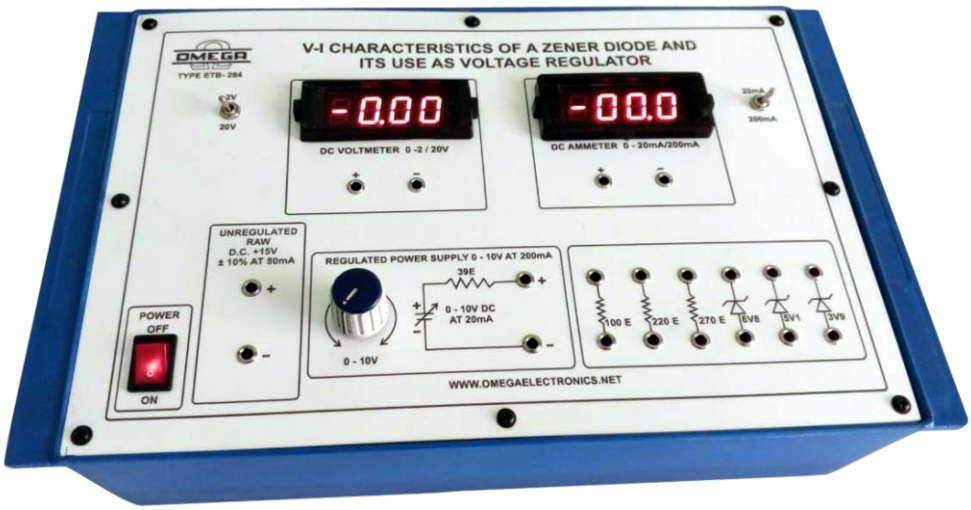
OMEGA®

A SIGN OF QUALITY PRODUCT

V-I CHARACTERISTICS OF A ZENER DIODE AND ITS USE AS VOLTAGE REGULATOR

OMEGA TYPE ETB-284



OMEGA TYPE ETB-284 To study of board has been designed specifically for V-I characteristics of a zener diode and its use as voltage regulator

The board is absolutely self contained and requires no other apparatus.

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

OBJECT

01. To study and plot the forward & reverse bias (breakdown) characteristics of a zener diode.

02. To study the standard zener diode voltage regulated supply.

03. To study the zener diode voltage regulated supply having two zener diodes in series

FEATURES

The board consists of the following built-in parts:

01. 0-10V D.C. at 200mA, continuously variable regulated Power Supply with low ripple & hum and integral current limiting resistor

02. 15V ± 10% at 50mA, unregulated D.C. Voltage.

03. Digital Voltmeter DC 3½ Digit Having Dual range of 2V / 20V.

04. Digital Current meter DC 3½ Digit Having Dual range of 20mA / 200mA

05. Three Zener Diode mounted behind the panel.

06. Adequate no. of other electronic components.

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

08. The unit is operative on 230V ±10% at 50Hz AC Mains.

09. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.

10. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

11. Weight: 1.400 Kg. (Approx.)

12. Dimension: W 340 x H 125 x D 210

LIST OF ACCESSORIES:

01. Patch cords stackable
4mm length 50cm Red 04

02. Patch cords stackable
4mm length 50cm Black 04

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27-07-2024