



OMEGA TYPE MCH-19A Experimental Training Board has been designed specifically for Zener Stabilized Bipolar Power Supplies. A Zener diode is generally employed in a standard circuit as a voltage regulator. This training board deals with some more possible voltage regulating circuits apart from the standard one.

OBJECT

01. To study the standard zener diode voltage regulated power supply.
02. To study the zener diode voltage regulated supply having two zener diodes in series.
03. To study a dual polarity voltage regulated supply employing two zener diodes.
04. To study a zener diode voltage regulated supply employing a series pass transistor for increasing the output current capability of the circuit.

FEATURES

- The board consists of following built-in parts :
- 01 $\pm 12V5 \pm 10\%$ at 50mA, unregulated D.C. Voltage.
 - 02 Digital Voltmeter, $3\frac{1}{2}$ Digit Range 0-20V.
 - 03 Digital Current meter $3\frac{1}{2}$ Digit Range 0-200mA.
 - 04 NPN Transistor.
 - 05 Three zener diodes.
 - 06 Adequate no. of other electronic components.
 - 07 Mains ON/OFF switch, Fuse and Jewel light.
 - 08 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
 - 09 Adequate no. of patch cords shakable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre.
 - 10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of wave forms.
 - 11 Strongly supported by detailed Operating Instructions.
 - 12 Weight : 3 Kg. (Approx.)

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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