



OMEGA TYPE MCH-18 Experimental Training Board has been designed specifically for Capacitor Filter for Full-wave Rectifier.

OBJECT

Study of Junction Diode Rectifier & Filter characteristics.

01 Study of Junction Diode Rectifier output and ripple content for different resistive loads for :

- 1.1 Half wave.
- 1.2 Full wave (Center Tap).
- 1.3 Full wave (Bridge).
- 1.4 Voltage Dabblers Circuit.

02 Study of filter and load regulation characteristics for half wave and full wave rectifier having different resistive loads and filters of the type :

- 2.1 Capacitor filter.
- 2.2 Capacitor Filter with capacitor value doubled.
- 2.3 Inductor filter.
- 2.4 Capacitor input L section filter.
- 2.5 Capacitor input p section filter.

FEATURES

The board consists of the following built-in parts :

- 01 Mains transformer, secondary center tap 10V-0-10V at 100 mA.
- 02 Digital Voltmeter DC 3½ Digit Having range of 0-20V / 200V.
- 03 Digital Current Ammeter DC 3½ Digit Having range of 0-200mA
- 04 Four Silicon Junction Diodes.
- 05 Filter choke.
- 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 A.C. Mains.
- 09 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 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 : 2 Kg. (Approx.)
- 13 Dimension : W340 x H125 x D210.

OTHER APPARATUS REQUIRED:

- 01 A.C. Millivoltmeter OMEGA TYPE ACV-25

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

OMEGA ELECTRONICS

Works:
28E & F, Malviya Industrial Area,
Jaipur-302 017 (INDIA)
Phone: 0141-2751559

E-mail : info@omegaelectronics.net
: omegajaipur62@gmail.com

www.omegaelectronics.net

Marketing Division:
B-28, Fateh Singh Scheme, Opp. Rajputana
Palace Sheraton, Jaipur-302006 (INDIA)
Phone : 091-141-2375647, 2379223