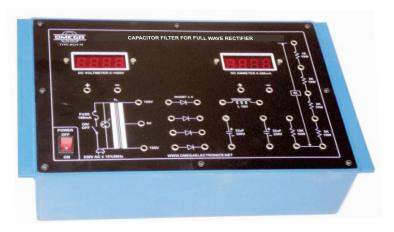


CAPACITOR FILTER FOR FULL WAVE RECTIFIER

OMEGATYPE MCH-18



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:
 - 1.1Half wave.
 - 1.2Full wave (Center Tap).
 - 1.3Full wave (Bridge).
 - 1.4Voltage Dabbler 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. SIGN OF
 - 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 OMEGATYPE 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