

F.E.T. AMPLIFIER
OMEGA TYPE ETB-41

DIODE LIMITERS
OMEGA TYPE ETB-40



OMEGA TYPE ETB-40 Experimental Training Board has been designed specifically for the study of Diode Limiter circuits.

OBJECT

Study of Diode Limiter Circuits:

- 01 To draw the transmission characteristics of the different Diode Limiter configurations.
- 02 To observe the limiting action of the sine wave on the Oscilloscope.
- 03 To observe the effect of diode capacitance at very high frequencies.

FEATURES

The board consists of the following built-in parts :

- 01 Four Diodes.
- 02 1.5V Battery.
- 03 Adequate no. of other electronic components.
- 04 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm
- 05 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 07 Practical experience on these boards carries great educative value for Science and Engineering Students.

- 08 Weight : 2Kg. (Approx.)
- 09 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED

- 01 AF Generator OMEGA TYPE AO-300
- 02 Power Supply 300V at 100mA
OMEGATYPE ICV-30/05
- 03 Dual trace CRO OMEGA TYPE CRO-20.

OMEGA TYPE ETB-41 Experimental Training Board has been designed specifically for the study of FET Amplifier.

OBJECT

Study of FET Amplifier :

- 01 To design and calculate the finite gain of FET Amplifier.
- 02 To draw the overload characteristics.
- 03 To draw the frequency response.
- 04 To measure the input impedance.
- 05 To measure the output impedance.

FEATURES

The board consists of the following built-in parts :

- 01 +15V D.C. at 50mA, IC regulated Power Supply internally connected.
- 02 Field Effect Transistor.
- 03 Mains ON/OFF switch, Fuse and Jewel light.
- 04 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 05 Adequate no. of other electronic components.
- 06 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 07 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 08 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

- 09 Practical experience on these boards carries great educative value for Science and Engineering Students.

- 10 Weight : 1.900 Kg. (Approx.)
- 11 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED :

- 01 AF Generator OMEGA TYPE AO-300
- 02 A.C. Millivoltmeter OMEGA TYPE ACV-25
- 03 Decade Resistance Box
OMEGATYPE DRBC-115L
- 04 Dual trace CRO 20MHz OMEGA TYPE CRO-20

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

OMEGA ELECTRONICS