

**CLIPPING AND CLAMPING WITH
RC INTEGRATING
& DIFFERENTIATING CIRCUIT
OMEGA TYPE ETB-54 (WITH OSCILLATOR)**

OMEGA TYPE ETB-54 Experimental Training Board has been designed specifically to study clipping and clamping with RC integrating & differentiating circuit.

OBJECT

- 01 To Study of Series Positive Clipper Circuits
- 02 To Study of Series Negative Clipper Circuits
- 03 To Study of Shunt Positive Clipper Circuits
- 04 To Study of Shunt Negative Clipper Circuits
- 05 To Study of Biased Series Positive Clipper Circuits
- 05.1 Biased Series Positive Clipper with Positive Power Supply.
- 05.2 Biased Series Positive Clipper with Negative Power Supply.
- 06 To Study of Biased Series Negative Clipper Circuits
- 06.1 Biased Series Negative Clipper with Positive Power Supply.
- 06.2 Biased Series Negative Clipper with Negative Power Supply.
- 07 To Study of Biased Shunt Positive Clipper Circuits
- 07.1 Biased Shunt Positive Clipper with Positive Power Supply.
- 07.2 Biased Shunt Positive Clipper with Negative Power Supply.
- 08 To Study of Biased Shunt Negative Clipper Circuits
- 08.1 Biased Shunt Negative Clipper with Positive Power Supply.
- 08.2 Biased Shunt Negative Clipper with Negative Power Supply.
- 09 To Study of Combination Clipper Circuit
- 10 To Study of Positive Clamper Circuits
- 11 To Study of Negative Clamper Circuits
- 12 To Study of Biased Positive Clamper Circuit
- 12.1 Biased Positive Clamper with Positive Power Supply.
- 12.2 Biased Positive Clamper with Negative Power Supply.
- 13 To Study of Biased Negative Clamper Circuit
- 13.1 Biased Negative Clamper with Positive Power Supply.
- 13.2 Biased Negative Clamper with Negative Power Supply.
- 14 To Study of Integrating Circuit at 1KHz for Different Combination of R&C
- 15 To Study of Differentiating Circuit at 1KHz for Different Combination of R&C



FEATURES

The board consists of the following built-in parts:

- 01 Two 0-10V D.C. at 20mA, continuously variable Power Supply.
- 02 Sine Wave Oscillator with frequency 1KHz.
- 03 Square Wave Oscillator with frequency 1KHz.
- 04 Digital Voltmeter, 3½ digits having range 0-20V D.C.
- 05 Five different values of capacitors.
- 06 Five different values of Resistances.
- 07 Three different values of Diodes.
- 08 Adequate no. of other electronic components.
- 09 Mains ON/OFF switch, Fuse and Jewel light.
- 10 The unit is operative on 230VAC ±10% at 50Hz.
- 11 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 12 Strongly supported by detailed Operating Instructions.
- 13 Weight : 1.800 Kg. (Approx.)
- 14 Dimension : W 340 x H 125 x D 210

LIST OF ACCESSORIES:

- 01 Patch cords 4mm length 50cm Red.....4Nos.
- 02 Patch cords 4mm length 50cm Black.....4Nos.

OTHER APPARATUS REQUIRED:

- 01 Cathode Ray Oscilloscope 20MHz
OMEGATYPE 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