



An ISO 9001:2015 Co.

Diode With & Without Biased Clipper (All Types)

Model : SE-132

SINCOM SE-132 Diode with & without Biased Clipper is a useful trainer with PN Junction Diode, resistors and variable positive/negative bias voltage to provide Diode Shunt, Combinational with/without bias Positive/Negative clippers with the facility to vary the clipping level in a simple experimental way.

Features

- ❖ Separate modules of Positive and Negative Clipper
- ❖ Two Silicon Diodes DO-41 package
- ❖ Positive and Negative variable bias DC voltage
- ❖ AC Input on board
- ❖ Clipping level control
- ❖ Facility to select different types of clippers
- ❖ Facility to connect external AC Input
- ❖ In-Built Fixed regulated DC Power Supply
- ❖ User friendly Design
- ❖ Very Easy for Operation
- ❖ Multi color Circuit Diagram is printed on the front panel of the white acrylic board
- ❖ Enclosed in an attractive, light weight, High Quality, Poly Coated Imported Pine Wooden cabinet
- ❖ Facility to connect Oscilloscope and Digital Meters.
- ❖ Interconnections by 2mm high quality banana sockets and pins
- ❖ Maximum Test points to explore all the corners of experiment
- ❖ 1 Year Warranty

Technical Specifications

| | |
|--------------------------|--|
| ▪ AC Mains Power Supply | : 230V \pm 10%, 50Hz |
| ▪ DC Power Supply | : IC Regulated Fixed +12V, -12V/500mA |
| ▪ Clipper type | : Positive, Negative, Combinational with/without Bias |
| ▪ Diode Used and Package | : 2 Silicon Diodes 1N4007 |
| ▪ Bias Voltage | : DC Variable 0 to +12V and DC Variable 0 to -12V |
| ▪ AC Input Voltage | : AC 12V, 50 Hz supply |
| ▪ Output | : Positive, Negative & Combination variable clipping level |
| ▪ Weight | : 2.0 kg (approx) |
| ▪ Dimensions (mm) | : L 220 x W 270 x H 110 |
| ▪ Interconnections | : 2mm Banana sockets |
| ▪ Operating Temperature | : 0-50 $^{\circ}$ C, 80% RH |

Learning Scope

- To Study Shunt Unbiased Positive Diode Clipper.
- To Study Shunt Unbiased Negative Diode Clipper.
- To Study Shunt Biased Positive Diode Clipper.
- To Study Shunt Biased Negative Diode Clipper.
- To Study Shunt Combination/Compound Diode Clipper.
- To Observe & Note change in Clipped O/P w.r.t. applied AC Input signal.

Other Instruments Required : Oscilloscope and Function Generator 1MHz.

Accessories Included : Set of Patch Cord and Details Instruction Manual.

Office : 8, Shantiniketan Colony, Pratap Nagar, Nagpur- 440 022 (MS) INDIA, Phone: 91-712-2287174, 2293303

Mobile : 09372153411, E-mail: info@sincomindia.com, sincom22@hotmail.com, Web: www.sincomindia.com