



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°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.