Transistor Clipper (All Types)

Model : SE-131

SINCOM SE-131 Transistor Clipper is a useful trainer with NPN Transistor, PN Junction Diode, resistors and variable positive/negative bias voltage to provide transistorized with/without bias Positive/Negative clippers with 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
- One Silicon NPN BJT of TO-92 package on board
- 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 ±10%, 50Hz
DC Power Supply	: IC Regulated Fixed +12V, -12V/500mA
Clipper type	: Positive and Negative clipper with/without Bias
Diode Used and Package	: 2 Silicon Diodes 1N4007
Transistor Used and Package	: 1 Bi-Polar Silicon-NPN BC548, TO-92 Package
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^{0}C, 80% RH

Learning Scope

- To Study Unbiased and Biased Transistorized Positive Diode Clipper.
- To Study Unbiased and Biased Transistorized Negative 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.

Subject to Change