

Characteristics & Applications

ME 542D - Voltage Stabilization Characteristics of Zener Diode.

Objective :

- Voltage Stabilization applications of a Zener Diode.

Technical Specifications :

Inbuilt Variable DC Regulated Power Supply

- Output voltages : 0-30VDC

On Board Analog Moving Coil Meters (60 mm x 35 mm)

- Voltmeter : 0-10VDC
- : 0-30VDC

Resistance & Diode provided

- Zener Diodes : 5.1V & 8.2V
- Series Resistance : 1 Nos.
- Load Resistances : Selectable through Band Switch
- High quality Aluminum used as front panel of 270mm x 170mm & mounted on light weight shock proof plastic cabinet
- Symbol diagram printed on Aluminum Front Panel & all important test Points Are brought out on front panel
- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.5Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

Standard Accessories :

- Power chord, Patch chords & Instruction manual.

Other Models also available

- ME 542 - Voltage Stabilization Characteristics of Zener diode with Bakelite Panel & Round Meters
- ME 542P - Voltage Stabilization Characteristics of Zener diode with Aluminum Panel & Digital Panel Meters

ME 542RFD - Zener Diode V-I Characteristics Apparatus.

Objective :

- Forward & Reverse V-I characteristics of Zener diode.



Technical Specifications :

Inbuilt Variable DC Regulated Power Supply

- Output voltages : 0-15VDC

On Board Analog Moving Coil Meters (60 mm x 35 mm)

- Voltmeter : 0-15VDC
- Ammeter : 150MicroADC/15mADC (dual range)

Resistance & Diode provided

- Zener Diode : 5.1V, 6V, 8.2V
- Series Resistance : 1 Nos.
- High quality Aluminum used as front panel of 270mm x 170 mm & mounted on light weight shock proof plastic cabinet
- Symbol diagram printed on Aluminum Front Panel & all important test Points

Are brought out on front panel

- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.5Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

Standard Accessories :

- Power chord, Patch chords & Instruction manual.

Other Models also available

- ME 542 RF - Zener Diode V-I Characteristics Apparatus with Bakelite Panel & Round Meters (Forward & Reverse)
- ME 542 RFP - Zener Diode V-I Characteristics Apparatus with Aluminum Panel & Digital Panel Meters (Forward & Reverse)

ME 543 - PN / Zener Diode / LED Characteristics Apparatus

Objective :

- Forward and Reverse characteristics of PN junction diode
- Forward & Reverse characteristics of Zener diode.
- Forward bias characteristics of LED.



Technical Specifications :

Inbuilt Variable DC Regulated Power Supplies

- Output voltages : 0-3VDC
- : 0-30VDC

On Board Analog Moving Coil Meters (60 mm x 35 mm)

- Voltmeter : 0-3VDC/0-30VDC(dual range)
- Ammeter : 0-100MicroADC / 0-10mADC (dual range).

Diode , Switches & Components Provided

- PN Junction Diode : 0A79 (1 Nos.)
- Zener diode : 5.1V (1 Nos.)
- SPDT : 2 Nos.
- DPDT : 1 No.
- LED's : 3 Nos. ((RED, GREEN & YELLOW)
- High quality Aluminum used as front panel of 300mm x 220 mm & mounted on light weight shock proof plastic cabinet
- Symbol diagram printed on Aluminum Front Panel & all important test Points Are brought out on front panel
- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.5 Kg Approx.
- Dimensions (mm) : 330(L) x 225(B) x 75(H)

Standard Accessories :

- Power chord, Patch chords & Instruction manual.

Other Models also available

- ME 543 - PN / Zener Diode / LED Characteristics Apparatus with Bakelite Panel & Round Meters
- ME 543P - PN / Zener Diode / LED Characteristics Apparatus with Aluminum Panel & Digital Panel