DV/DT Limitation Of SCR

Product Categories: Electronics, Engineering Equipment, Power Electronics Lab, Power Electronics Lab

Product Page: https://www.labappara.com/product/dv-dt-limitation-of-scr/

Product Description

DV/DT Limitation Of SCR

Objects:

Test dv/dt estimation of the SCR

Compare Dv/Dt capability by gate-cathode terminations

Compare Dv/Dt capability by gate-cathode biasing (voltage biasing)

Compare Dv/Dt capability by gate-cathode biasing (current biasing)

To improve Dv/Dt capability by transistor snubber circuit

Effect of R.C. snubber circuit on Dv/Dt capability

Study of different scheme of R.C. Snubber circuit on Dv/Dt capability

Built in parts:

300 V D.C. at 250 mA, power supply internally connected

Thyristor switch for applying sudden voltage on the SCR under experiment

The SCR under experiment

Resistance for gate-cathode termination

Silicon diode

Transistorized snubber circuit

Two schemes for R-C snubber circuits

Visual indication to indicate SCR firing

Adequate no. of other electronic components

Mains ON/OFF switch, fuse and jewel light

Specifications:

The unit is operative on 230 V ±10% at 50 Hz A.C. mains

Adequate no. of patch cords stackable 4 mm spring loaded plug length ½ meter

Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms

Weight: 3 kg. (approx.)

Dimension: W 340 x H 110 x D 210