Product Name :	Product Code :
Triac Characteristics	EEN0025

Description :

Triac Characteristics

Technical Specification :

Triac Characteristics 1. **To study the gate characteristics of a TRIAC in the following modes :**

(a) Mode I+ : i.e. T2 positive with respect to T1 and gate positive with respect to T 1

(b) Mode I- : i.e. T2 positive with respect to T1 and gate negative with respect to T 1

(c) Mode III+ : i.e.T2 negative with respect to T1 and gate positive with respect to T 1

(d) Mode III- : i.e. T2 negative with respect to T1 and gate negative with respect to T 1

2. **To study the terminal characteristics of a TRIAC in the following modes :**

(a) Mode I+ : i.e. T2 positive with respect to T1 and gate positive with respect to T 1

(b) Mode III+ : i.e. T2 negative with respect to T1 and gate positive with respect to T 1

3. **To study the following applications of TRIAC** :

(a) Triac as a static switch (D.C. control).

(b) Control of A.C. with A.C. signal.

(c) To measure the holding current of IH. Triac.

FEATURES

The board consists of following built-in parts:

01. 0-70V D.C. at 100mA, regulated Power Supply.

02. 0-3V D.C. at 30 mA, regulated Power Supply.

03. 55 Volt at 100mA, fixed A.C. Supply.

04. 7 Volt at 30mA, fixed A.C. Supply.

05. D.C Ammeter, 65mm rectangular dial with switch selectable ranges of 10mA and 100mA.

06. D.C Ammeter, 65mm rectangular dial to read of 0-30mA.

07. D.C. Voltmeter, 65mm rectangular dial with switch selectable ranges of 5V and 100V.

08. TRIAC.

09. Three Potentiometers.

10. Reset switch.

11. Adequate no. of other electronic components.

12. Mains ON/OFF switch, Fuse and Jewel light