



Step UP Copper

Category: Electronic Engineering · Model reference: MZM-3001



SPECIFICATIONS

DESCRIPTION:

This is a learning platform which is very useful for students to understand the concept of thyristor firing method and working of DC to DC conversion on various load configurations. The platform is provided with inbuilt DC power supply and exhaustive learning material.

Feature:

- Built in DC Power Supply
- On board firing circuit
- Test points provided to check the outputs at different blocks
- Easy to operate and understand
- Sockets provided to make different connections
- 2 Year Warranty

Scope of Learning:

- Study SCR Firing Circuit.
- Study Step-Up Chopper with resistive load.
- Study Step-Up Chopper with resistive inductive load.

Technical Specification:

- On Board Firing Circuit : Triangular wave, Comparator firing scheme
- Frequency Variation : 27 Hz to 5 KHz (approx.)
- PWM variation : 0 - 50%
- Interconnections : 2 mm sockets (Goldplated) SCR assembly, SCR TYN 616, 600 V, 16A
- Test points : 5 nos (Gold plated)
- Mains Supply : 220V/110V; 50 Hz / 60Hz
- Learning material : CD (Theory, procedure, Reference results, etc. Online (optional))
- Operating Conditions : 0-40°C, 85% RH

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