



46702 is a compact and user friendly learning platform which is very useful for students to understand the concept of PWM generation technique, and Forward Converter technology on various load configurations. It is also helpful to understanding the converter output on various filter configurations. Platform explains PWM generation technique, Forward Converter operation in power isolation circuit to measure the isolated output.

Objects:

1. To study PWM generation
2. To study Forward Converter with different filter components and loads

Features

1. Easy to operate & understand
2. Optically isolated PWM generation with Gate driver
3. Inbuilt isolation section for measurement of the signal
4. Test Points provided at output of each section to measure the signals

Technical Specifications:

1. Input DC Voltage : 12V at 1.5Amp
2. PWM Frequency
Variation : 8KHz to 92KHz
3. Duty Cycle Variation : 8% to 35%
4. Load Assembly : RL1 & RL2 (75W & 75W)
5. Power Isolation Section : Single channel
6. Power device : MOSFET IRF-540
7. MOSFET/IGBT Driver : YES
8. Inductors : L1 (91uH), L2 (174uH),
9. Capacitors : C4 (1000uF/40V)
C5 (470uF/40V)
10. Test Points : 12 nos.
11. Banana Socket insert 2mm : 43 nos.
12. Dimensions (mm) : W340 x D210 x H125
13. Power Supply : 230VAC 50/60Hz
14. Weight : 3.600 Kg approx.
15. Dimensions (mm) : W340 x H125 x D210

List Of Accessories:

1. Patch cord 2mm length 50cm Red.....05
2. Patch cord 2mm Black length 50cm Black..... 05
3. BNC to BNC Cable..... 01
4. BNC lead with 2mm Banana Pin Red & Black..... 01

Note: Specifications are subject to change.

