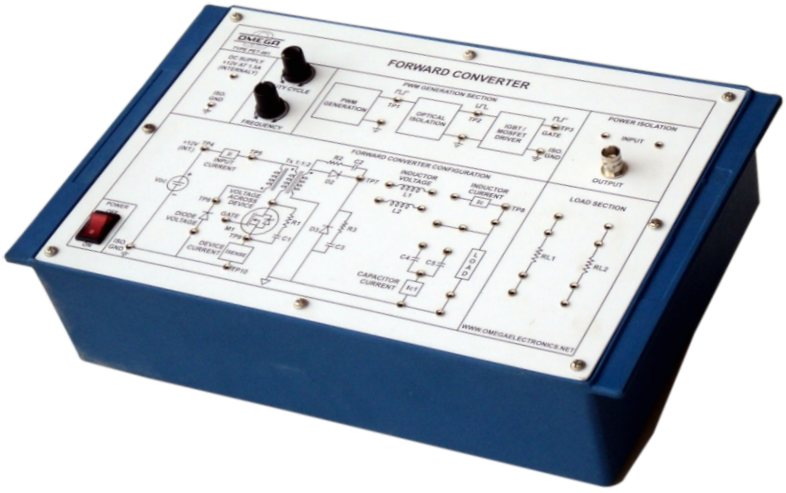
OMEGA®

A SIGN OF QUALITY PRODUCT

FORWARD CONVERTER

OMEGA TYPE PET-461



OMEGA TYPE PET-461 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:

01 To study PWM generation

02 To study Forward Converter with different filter components and loads

FEATURES

01 Easy to operate & understand

02 Optically isolated PWM generation with Gate driver

03 Inbuilt isolation section for measurement of the signal

04 Test Points provided at output of each section to measure the signals

TECHNICAL SPECIFICATIONS:

01	Input DC Voltage	: 12V at 1.5Amp
02	PWM Frequency Variation	: 8KHz to 92KHz
03	Duty Cycle Variation	: 8% to 35%
04	Load Assembly	: RL1 & RL2 (75Ω & 75Ω)
05	Power Isolation Section	: Single channel
06	Power device	: MOSFET IRF-540
07	MOSFET/IGBT Driver	: YES
08	Inductors	: L1 (91uH), L2 (174uH),
09	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 appro.
15	Dimensions (mm)	: W340 x H125 x D210

LIST OF ACCESSORIES:

01 Patch cord 2mm length 50cm Red.....05

02 Patch cord 2mm Black length 50cm Black.....05

03 BNC to BNC Cable.....01

04 BNC lead with 2mm Banana Pin Red & Black.01

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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18-07-2022