

unregulated

MEDICAL - INDUSTRIAL

12 Watt

DC/DC Converters

Series: MED-MHVI

Applications:

- IGBT auxiliary supply
- medical application

EN/UL/CSA 60601-1 & 2

DOUBLE INSULATION

Electrical specifications:

Output voltage accuracy:
Short circuit protection:

unregulated
continuous
@ 24Vin: short-time
-40°C up to +95°C
-40°C to +71°C

Operating temperature:
Ambient temperature:
Optional:

Part-No.: /8

-55°C to +85°C
ambient temperature

Efficiency:

Primary / Secondary

Insulation test voltage:

Capacitance Prim/Sec:

up to 87%

4000VAC rms 1 min. type test

du/dt...>100kV/μs

typ. 20-25pF

All specifications typical @ Ta +25°C
Nom. Vin & full load, unless otherwise specified!

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

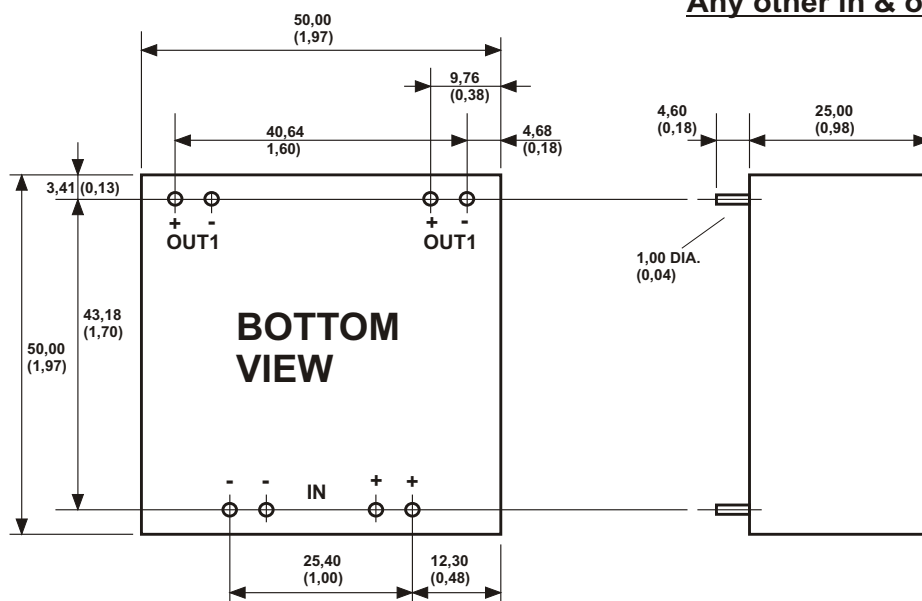
Part - No. Single	Input Voltage DC	Output Voltage DC	Output power max.
MED-MHVI-05xx	4,75V - 5,5V	xx V	max. 12W any configuration possible
MED-MHVI-12xx	10,8V - 13,2V	xx V	
MED-MHVI-15xx	13,5V - 16,5V	xx V	
MED-MHVI-24xx	21,6V - 26,4V	xx V	

The input voltage can be increased by the value of the selected output voltage in boost operation (see Application Note C43, page 149).

example:

MED-MHVI-1215

Any other in & output voltages on request !



Additional 470μF input & output capacitors recommended
ripple & noise depend
on load & external capacitors

ALL DIMENSIONS IN MM (INCHES)
MILLIMETERS +/- 0,5mm
(INCHES +/- 0,02")
All pins on a 5,08mm pitch.

Specification may be changed without notice
please contact office for verification

We can offer EMC - Filter
according to EN55011/22 Class B.