

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: unregulated  
 Short circuit protection: continuous  
 @ 24Vin: short-time  
 -40°C up to +95°C  
 Ambient temperature: -40°C to +71°C  
 Optional:  
 Part-No.: /8 -55°C to +85°C  
 ambient temperature

Efficiency: up to 87%  
 Primary / Secondary: 4000VAC rms 1 min. type test  
 Insulation test voltage: du/dt...>100kV/µs  
 Capacitance Prim/Sec: typ. 20-25pF

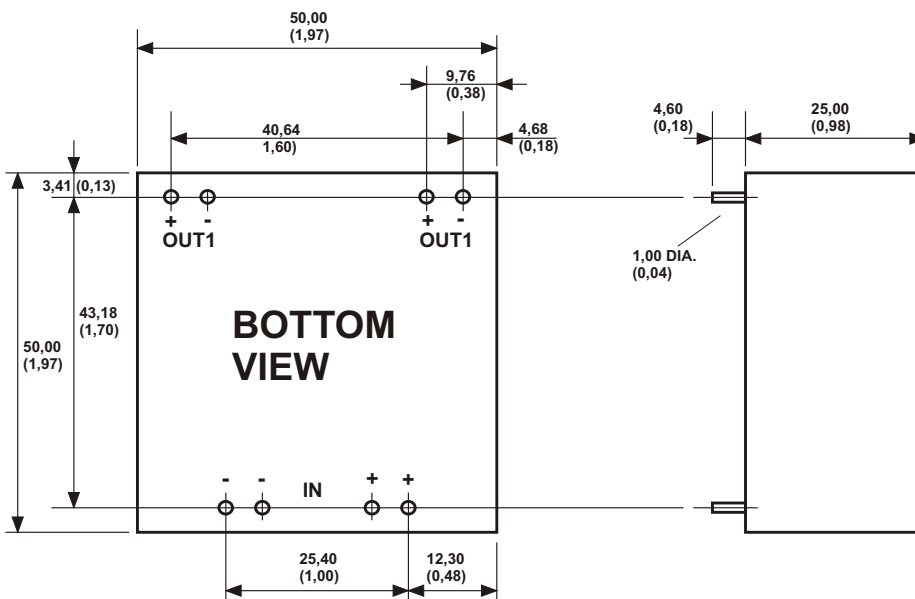
All specifications typical @ Ta +25°C  
 Nom. Vin & full load, unless otherwise specified!

**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	

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.