

unregulated

INDUSTRIAL DC/DC Converters

15 Watt
Series: MHVI

Applications:

- IGBT auxiliary supply
- medical application

**High reinforced
and partial discharge free insulation**

EN50178 / EN50124-182 / EN61800-5

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
Capacitance Prim/Sec/Sec: -55°C to +85°C
typical <15pF

Efficiency: up to 84%
Primary / Secondary: insulation test voltage 10 kV
du/dt...>100kV/μs

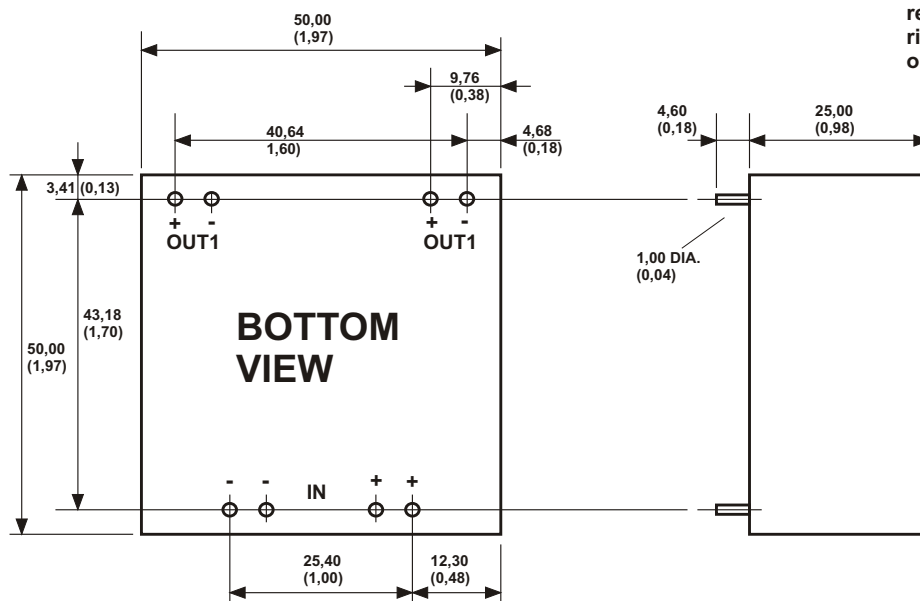
Part-No.: /1 partial-discharge 1kV AC free (TE-frei)
Part-No.: /2 partial-discharge 2kV AC free (TE-frei)
Part-No.: /4 partial-discharge 4kV AC free (TE-frei)
Part-No.: /5 partial-discharge 5kV AC free (TE-frei)

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.
MHVI-05xx	4,75V - 5,5V	xx V	max. 15W any configuration possible
MHVI-12xx	10,8V - 13,2V	xx V	
MHVI-15xx	13,5V - 16,5V	xx V	
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).



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.

unregulated

INDUSTRIAL DC/DC Converters

2x7,5 Watt = 15 Watt

Series: MHVI

Applications:

- IGBT auxiliary supply
- medical application

High reinforced
and partial discharge free insulation

EN50178 / EN50124-182 / EN61800-5

Electrical specifications:

Output voltage accuracy: unregulated
Short circuit protection: continuous
@ 24Vin: short-time
Operating temperature: -40°C up to +95°C
Ambient temperature: -40°C to +71°C
Optional:
Part-No.: /8 -55°C to +85°C
ambient temperature
Capacitance Prim/Sec/Sec: typical <15pF

Efficiency: up to 85%
Primary / Secondary: insulation test voltage 10 kV
du/dt...>100kV/μs
Secondary 1/ Secondary 2: insulation test voltage 10kV
du/dt...>100kV/μs
Part-No.: /1 partial-discharge 1kV AC free (TE-frei)
Part-No.: /2 partial-discharge 2,3kV AC free (TE - frei)
Part-No.: /5 partial-discharge 5kV AC free (TE-frei)
add isolation quality specifier to part-no. e. g. /2

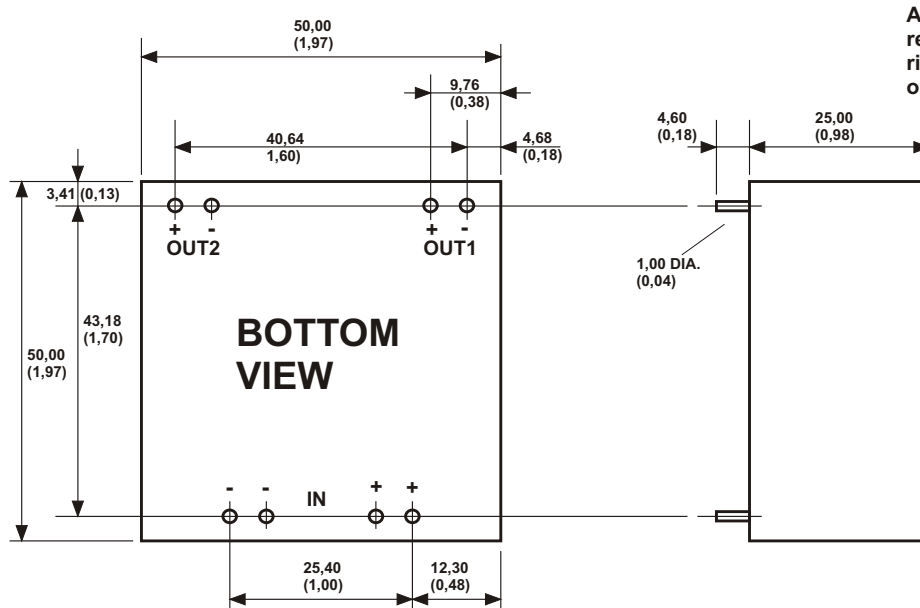
All specifications typical @ Ta +25°C
Nom. Vin & full load, unless otherwise specified!

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part - No.	Input Voltage DC	Output Voltage DC	Output current mA
MHVI-051515	4,75V - 5,5V	15V / 15V	500mA / 500mA
MHVI-121515	10,8V - 13,2V	15V / 15V	500mA / 500mA
MHVI-151515	13,5V - 16,5V	15V / 15V	500mA / 500mA
MHVI-241515	21,6V - 26,4V	15V / 15V	500mA / 500mA

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

Any in & output voltage available also with unequal output voltages !



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MILLIMETERS +/- 0,5mm
(INCHES +/- 0,02")
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