

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

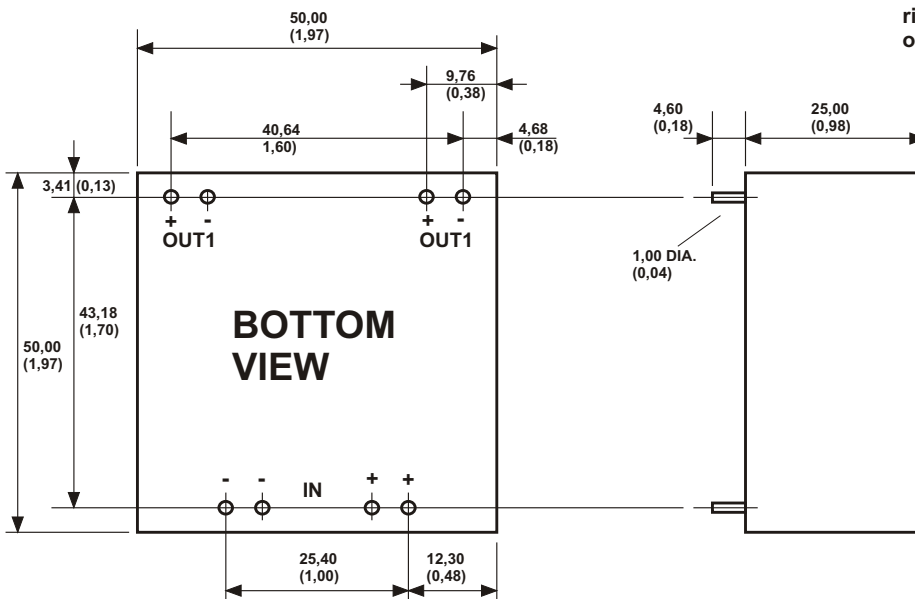
Electrical specifications:

Output voltage accuracy:	unregulated	Efficiency:	up to 84%
Short circuit protection:	continuous	Primary / Secondary:	insulation test voltage 10 kV
	@ 24Vin: short-time		du/dt...>100kV/μs
Operating temperature:	-40°C up to +95°C	Part-No.: /1	partial-discharge 1kV AC free (TE-frei)
Ambient temperature:	-40°C to +71°C	Part-No.: /2	partial-discharge 2kV AC free (TE-frei)
Optional:		Part-No.: /4	partial-discharge 4kV AC free (TE-frei)
Part-No.: /8	-55°C to +85°C	Part-No.: /5	partial-discharge 5kV AC free (TE-frei)
Capacitance Prim/Sec/Sec:	typical <15pF		

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	

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

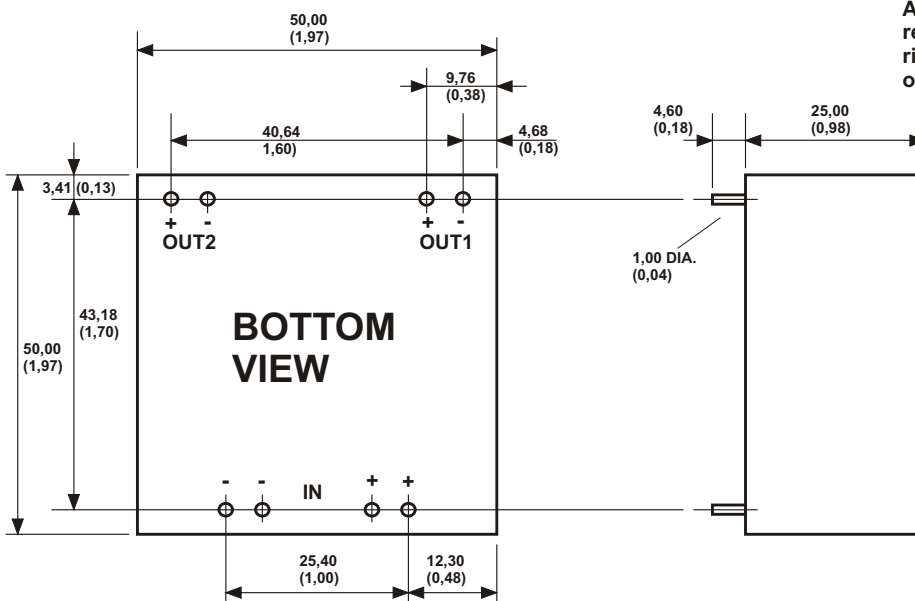
Electrical specifications:

Output voltage accuracy:	unregulated	Efficiency:	up to 85%
Short circuit protection:	continuous	Primary / Secondary:	insulation test voltage 10 kV du/dt...>100kV/μs
Operating temperature:	@ 24Vin: short-time	Secondary 1/ Secondary 2:	insulation test voltage 10kV du/dt...>100kV/μs
Ambient temperature:	-40°C up to +95°C	Part-No.: /1	partial-discharge 1kV AC free (TE-frei)
Optional:	-40°C to +71°C	Part-No.: /2	partial-discharge 2,3kV AC free (TE - frei)
Part-No.: /8	-55°C to +85°C	Part-No.: /5	partial-discharge 5kV AC free (TE-frei)
Capacitance Prim/Sec/Sec:	ambient temperature typical <15pF	add isolation quality specifier to part-no. e. g. /2	

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

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



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

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 (INCHES +/- 0,02")
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