

Unregulated

**INDUSTRIAL
 DC/DC Converters**

**6 Watt
 Series: LLHVI**

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
 Efficiency: up to 81%

Primary / Secondary: insulation test voltage 10kV
 du/dt...>100kV/μs
 Secondary 1/ Secondary 2: insulation test voltage 10kV
 du/dt...>100kV/μs
 Capacitance Prim/Sec/Sec: typical <15pF
 Part-No.: /5 5kV AC partial-discharge free (TE -frei)
 Part-No.: /6 6kV AC partial-discharge free (TE -frei)
 Part-No.: /7 7kV AC partial-discharge free (TE -frei)

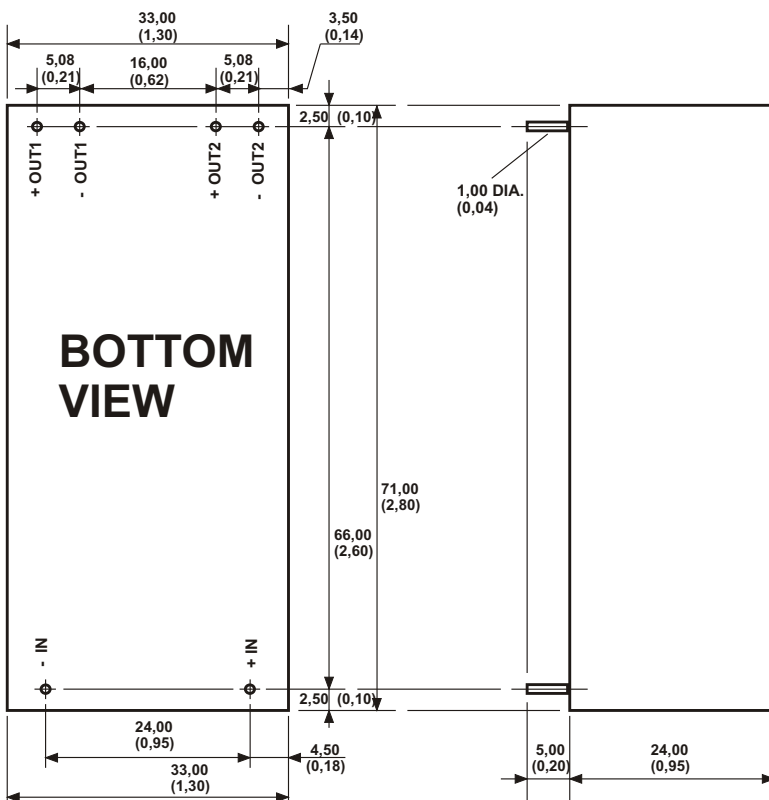
add isolation quality specifier to part-no. e. g. /5

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

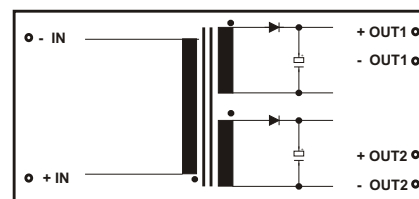
Part-No.	Input Voltage DC	Output Voltage DC	Output power max.
LLHVI-05xyyy	4,75V - 5,5V	xx V / yy V	3W max./ 3W max.
LLHVI-12xyyy	10,8V - 13,2V	xx V / yy V	any configuration possible
LLHVI-15xyyy	13,5V - 16,5V	xx V / yy V	
LLHVI-24xyyy	21,6V - 26,4V	xx V / yy V	

**example:
 LLHVI-121507**

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



Additional 220μF 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 2,54mm pitch.

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

Specification may be changed without notice
 please contact office for verification

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