

Unregulated

Applications:

- IGBT auxiliary supply
- medical application

INDUSTRIAL DC/DC Converters

6 Watt
Series: LLHVI

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

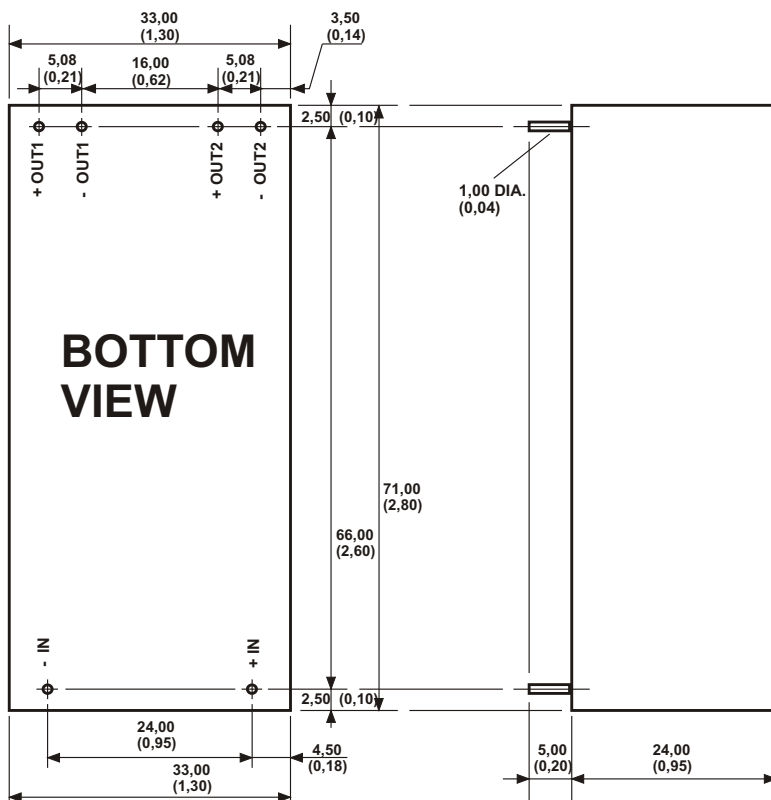
CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

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

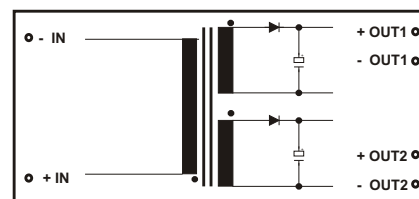
example:
LLHVI-121507

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 !



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.