

**Unregulated**

Applications:  
 - IGBT auxiliary supply  
 - medical application

**INDUSTRIAL  
 DC/DC Converters**

Stand: 24/08

**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  
 Ambient temperature: -40°C to +71°C  
 Optional:  
 Part-No.: /8 -55°C to +85°C  
 Efficiency: min. 75%

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)

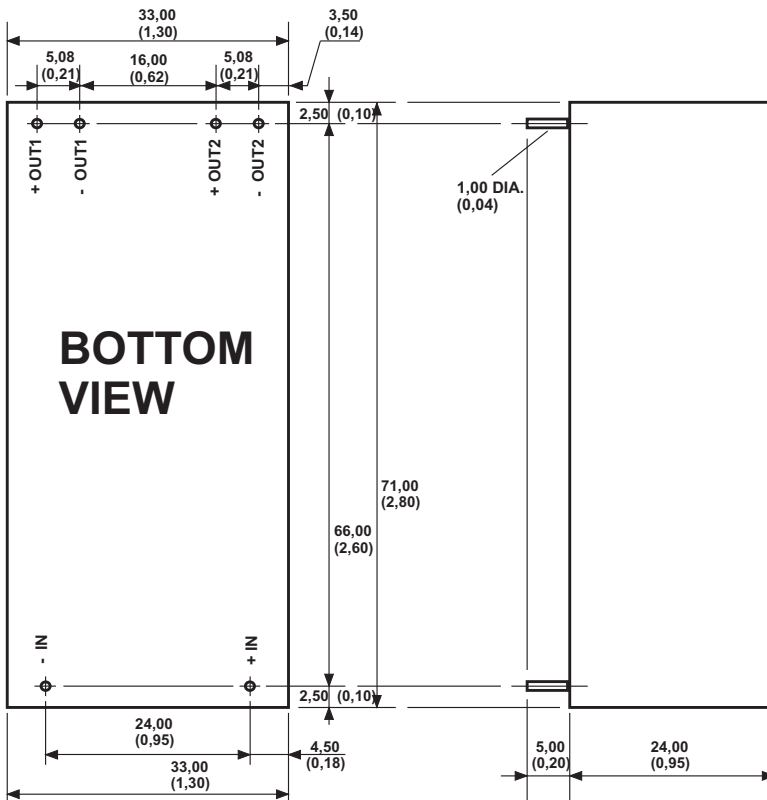
**CAUTION: NO INPUT POLARITY CHANGE ALLOWED!**

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

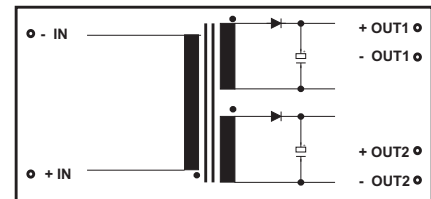
Part-No.	Input Voltage DC	Output Voltage DC	Output power max.
LLHVI-05xxyy	4,75V - 5,5V	xx V / yy V	3W max./ 3W max. any configuration possible
LLHVI-12xxyy	10,8V - 13,2V	xx V / yy V	
LLHVI-15xxyy	13,5V - 16,5V	xx V / yy V	
LLHVI-24xxyy	21,6V - 26,4V	xx V / yy V	
LLHVI-48xxyy	43,2V - 52,8V	xx V / yy 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.

Specification may be changed without notice  
 please contact office for verification

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