

Stand: 25/13

Wide input range 1:3

## INDUSTRIAL DC/DC Converters Step Up

**20 - 30 Watt**  
 from 5Vin ~30W  
**Series: TSU3**

### Electrical specifications:

Input voltage: 3 - 9V  
 Output voltage accuracy: +/- 2%  
 Line regulation: +/- 1%  
 Load regulation: +/- 3%  
 Efficiency: up to 93%

Operating temperature: -40°C up to +95°C  
 Ambient temperature: -40°C to +71°C  
 Insulation voltage: none  
 Short circuit protection: 5 sec.

no undervoltage lockout  
 therefor 12A slow fuse recommended

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

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

Part-No.	Input voltage	NO ISOLATION	Output voltage	Output current
TSU3-0512	5V (3 - 9)		12V Other voltages on request	1,6-2,5 A

**Any other output voltages available**

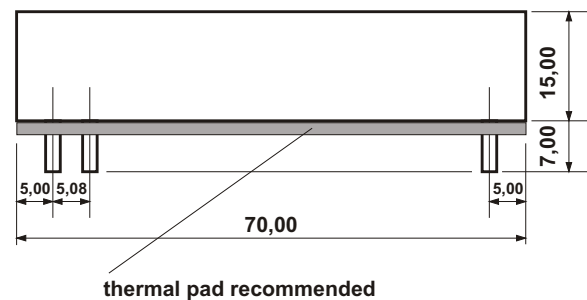
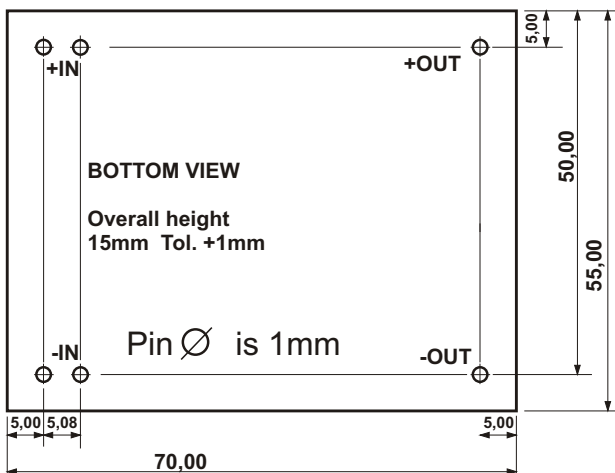
### Important

Input capacitor 20x Elcos with 470µF/10V +150°C  
 Output capacitor 5x Elcos with 330µF/16V +105°C  
 is a must.

Input R&N <300mV

max. permissible input ripple current without any other external input caps 1,5A

converter can be tested for a short time without input / output capacitor



ALL DIMENSIONS IN MM  
 Tolerance +/- 0,5mm

Specification may be changed without notice  
 please contact office for verification

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