

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

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

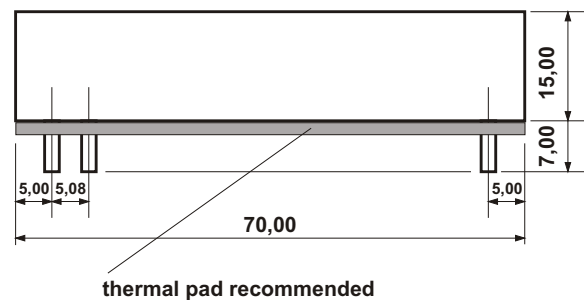
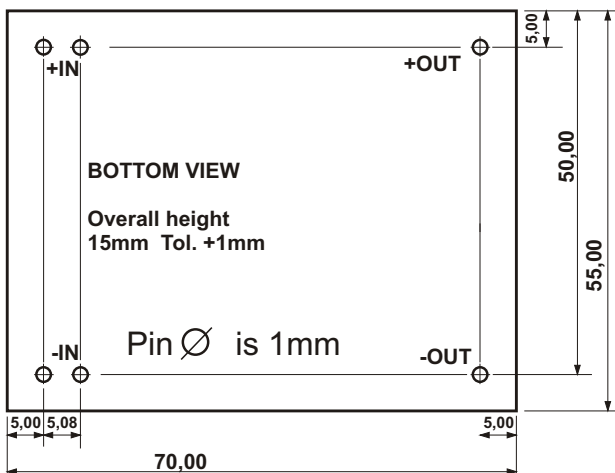
Important

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.