

Unregulated  
 Single output  
 Case style: SIP 4

## INDUSTRIAL DC/DC Converters SHORT CIRCUIT PROOF

1 Watt / 1,5 Watt  
 Series: FS4U

### Electrical specifications:

Input voltage range: +/- 10%  
 Output voltage accuracy: +/- 2% (Vin=nominal & full load)  
 +/- 5% (Vin < 3,3V)  
 +/- 1% / +/- 1%  
 Line Vin/Vout:  
 Output voltage change: 3,3V,5V output types 15% max.  
 (10% to 100%) 9 ~ 24V output types 10% max.  
 Operating temperature: -40°C to +95°C  
 Ambient temperature: -40°C to +71°C

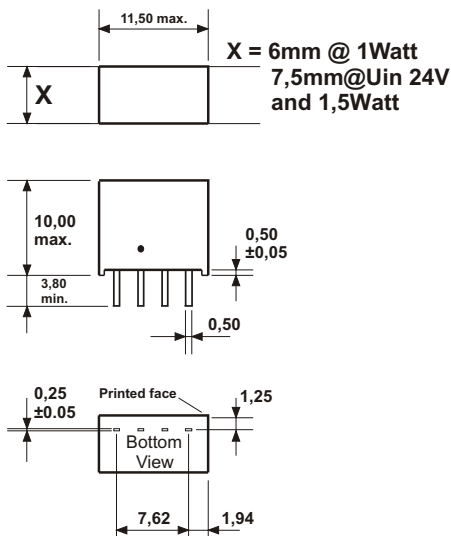
Efficiency: up to 80%  
 Output Ripple & Noise: typ. 150mVp-p  
 Short circuit protection: continuous  
 Insulation test voltage: 1500V AC rms @ 1W Version  
 Output voltage: @ zero Load; approx. 15% above nominal  
 Part-No.: /2 0,25W output power  
 Part-No.: /5 0,5W output power

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

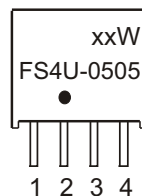
Part - No. DC	Input Voltage DC	Output Voltage DC	1Watt	1,5Watt
			Output current mA	Output current mA
FS4U-0505 FS4U-0509 FS4U-0512 FS4U-0515	5V	5V	200mA	300mA
		9V	110mA	
		12V	83mA	
		15V	66mA	
FS4U-1205 FS4U-1209 FS4U-1212 FS4U-1215	12V	5V	200mA	300mA
		9V	110mA	
		12V	83mA	
		15V	66mA	
FS4U-1505 FS4U-1509 FS4U-1512 FS4U-1515	15V	5V	200mA	300mA
		9V	110mA	
		12V	83mA	
		15V	66mA	
FS4U-2405 FS4U-2409 FS4U-2412 FS4U-2415	24V	5V	200mA	
		9V	110mA	
		12V	83mA	
		15V	66mA	

**Any other input & output voltages available**

(for example 3,3V)



### PIN CONNECTION:



- 1 = GND
- 2 = Vcc
- 3 = 0V
- 4 = +Vout

ALL DIMENSIONS IN MM  
 MILLIMETERS +/-0,25mm  
 All pins on a 2,54mm pitch  
 Dot denotes +IN

Additional output capacitor  
 of 4,7µF will reduce ripple  
 significantly, but is not demanded.

**Input capacitor 4,7µF - 10µF is a must.**

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.