

**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

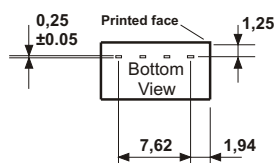
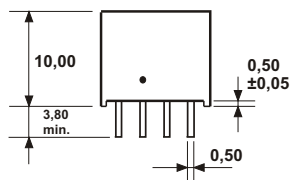
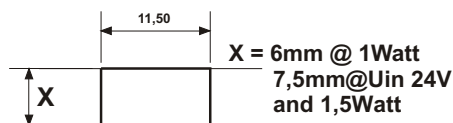
Efficiency: up to 80%
Output Ripple & Noise: typ. 150mVp-p
Short circuit protection: continuous
Insulation test voltage: 1500V AC rms @ 1W Version
Output voltage: @ zero Load; approx. 15% above nominal
Part-No.: /2 0,25W output power
Part-No.: /5 0,5W output power

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

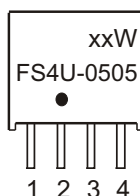
			1Watt	1,5Watt
Part - No. DC	Input Voltage DC	Output Voltage DC	Output current mA	Output current mA
FS4U-0505 FS4U-0509 FS4U-0512 FS4U-0515	5V	5V 9V 12V 15V	200mA 110mA 83mA 66mA	300mA
FS4U-1205 FS4U-1209 FS4U-1212 FS4U-1215	12V	5V 9V 12V 15V	200mA 110mA 83mA 66mA	300mA
FS4U-1505 FS4U-1509 FS4U-1512 FS4U-1515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

The input voltage can be increased by the value of the selected output voltage in boost operation (see Application Note C43, page 149).

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.