

**Unregulated
Single output
Case style: SIP 4**

**INDUSTRIAL
DC/DC Converters**

**1 Watt
Series: S4U**

Electrical specifications:

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

Efficiency: up to 80%
Output Ripple & Noise: typ. 150mVp-p
Short circuit protection: none
Insulation test voltage: 1000V DC
Output voltage: @ zero Load; approx. 10% above nominal
Optional: Part-Nr. /1 0,1W output power
Part-Nr. /2 0,25W output power
Part-Nr. /5 0,5 W output power

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part - No. DC	Input Voltage DC	Output Voltage DC	Output current mA
S4U-03,303,3 S4U-03,305	3,3V	3,3V 5V	303mA 200mA
S4U-0503,3 S4U-0505 S4U-0509 S4U-0512 S4U-0515	5V	3,3V 5V 9V 12V 15V	303mA 200mA 110mA 83mA 66mA
S4U-1203,3 S4U-1205 S4U-1209 S4U-1212 S4U-1215	12V	3,3V 5V 9V 12V 15V	303mA 200mA 110mA 83mA 66mA
S4U-1503,3 S4U-1505 S4U-1509 S4U-1512 S4U-1515	15V	3,3V 5V 9V 12V 15V	303mA 200mA 110mA 83mA 66mA
S4U-2403,3 S4U-2405 S4U-2409 S4U-2412 S4U-2415 S4U-2424	24V	3,3V 5V 9V 12V 15V 24V	303mA 200mA 110mA 83mA 66mA 42mA

S4U-05yyL 1W

input current
no load = ca. 35mA
full load = ca. 270mA

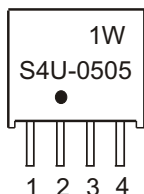
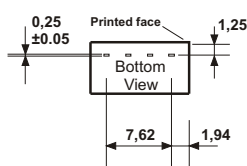
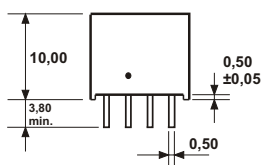
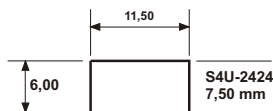
L - Version
no load = ca. 20mA
full load = ca. 260mA

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 7V)

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.