

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

**INDUSTRIAL
 DC/DC Converters**

**1 Watt
 Series: S4U**

Electrical specifications:

Input voltage range:	+/- 10%	Efficiency:	up to 80%
Output voltage accuracy:	+/- 2% (Vin=nominal to full load) +/- 5% (Vin < 3,3V)	Output Ripple & Noise:	typ. 150mVp-p
Line Vin/Vout:	+/- 1% / +/- 1%	Short circuit protection:	none
Output voltage change:	3V, 3,3Vout types 15% max. 5 ~ 24Vout types 10% max.	Insulation test voltage:	1000V DC
(10% to 100% of full load)		Output voltage: @ zero Load; approx. 10% above nominal	
Operating temperature:	-40°C to +95°C	Optional:	
Ambient temperature:	-40°C to +71°C	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

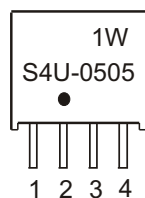
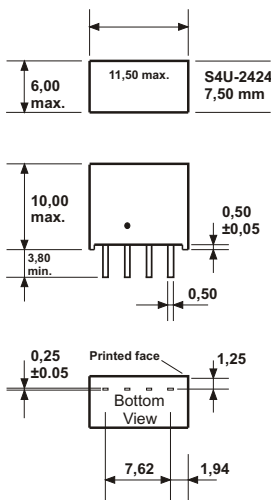
input current
 no load = ca. 35mA
 full load = ca. 270mA

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

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.