

DC/DC Converter
 AC/DC Inverters
 Delay-Lines
 Pulsetransformers
 Burst & Surge Filters
 Harmonic Filters
 Switching Power Supplies

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Stand: 25/08

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

Efficiency: min. 65%
 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 |

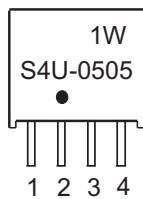
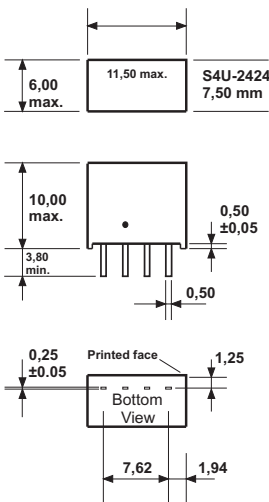
S4U-05yyL 1W

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

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

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.

Specification may be changed without notice
 please contact office for verification

We can offer EMC - Filter
 according to EN55011/22 Class B.