

# COMMERCIAL-INDUSTRIAL DC/DC Converters

Stand: 07/14

Unregulated  
Case Style: SIP 7

1 Watt / 2 Watt  
Series: S7U

### Electrical specifications:

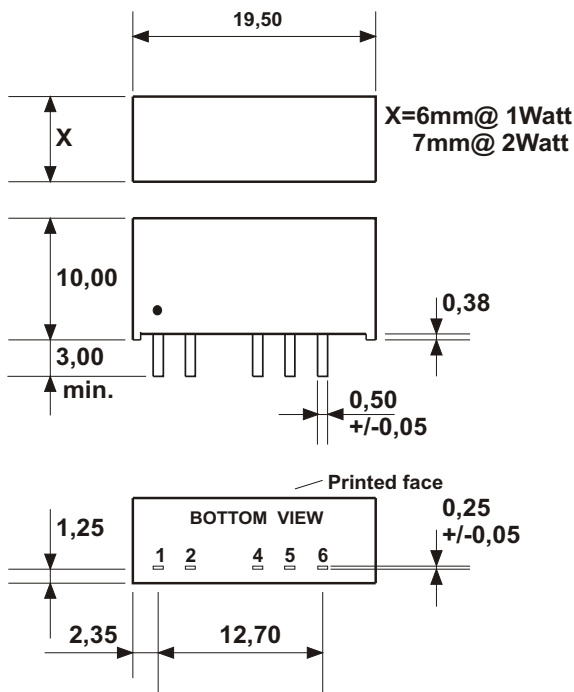
Input voltage range: +/- 10%  
Output voltage accuracy: +/- 5% \*\*  
Line Voltage regulation: +/- 1,2% / 1% of Vin max.  
Load Voltage regulation: 5V output type 15% max.  
(10% to 100% full load) 9V ~ 24V output types 10% max.  
Output Ripple & Noise: 1W; typ. 50mVp-p  
2W; max. 150mVp-p

Efficiency: up to 85%  
Short circuit protection: 1,0 second  
optional (Part-No. /S): continuous  
Operating temperature: -40°C to +85°C  
Isolation voltage: min. 1000V DC  
Isolation optional (Part-No. /H): min. 2000V DC  
Part-Nr. /2 0,25W output power  
Part-Nr. /5 0,50W output power  
Part-Nr. /7 0,75W output power

\*\* Note: Measured @25°C with the condition of Vin = nominal and full load

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

Single Output			1 Watt	2 Watt	Dual Output			1 Watt	2 Watt
Part-No.	Input Voltage	Output Voltage	Output current	Output current	Part-No.	Input Voltage	Output Voltage	Output current	Output current
S7U-0505	5V	5V	200mA	400mA	S7U-0505D	5V	± 5V	+/-100mA	+/-200mA
S7U-0512		12V	83mA	166mA	S7U-0512D		±12V	+/- 41mA	+/- 83mA
S7U-0515		15V	66mA	132mA	S7U-0515D		±15V	+/- 33mA	+/- 66mA
S7U-1205	12V	5V	200mA	400mA	S7U-1205D	12V	± 5V	+/-100mA	+/-200mA
S7U-1212		12V	83mA	166mA	S7U-1212D		±12V	+/- 41mA	+/- 83mA
S7U-1215		15V	66mA	132mA	S7U-1215D		±15V	+/- 33mA	+/- 66mA
S7U-1505	15V	5V	200mA	400mA	S7U-1505D	15V	± 5V	+/-100mA	+/-200mA
S7U-1512		12V	83mA	166mA	S7U-1512D		±12V	+/- 41mA	+/- 83mA
S7U-1515		15V	66mA	132mA	S7U-1515D		±15V	+/- 33mA	+/- 66mA
S7U-2405	24V	5V	200mA	400mA	S7U-2405D	24V	± 5V	+/-100mA	+/-200mA
S7U-2412		12V	83mA	166mA	S7U-2412D		±12V	+/- 41mA	+/- 83mA
S7U-2415		15V	66mA	132mA	S7U-2415D		±15V	+/- 33mA	+/- 66mA
S7U-2424		24V	41mA	83mA					



### Any other input or output voltages available

PIN CONNECTION			
PIN	SINGLE	SINGLE A	DUAL
1	VCC	VCC	VCC
2	GND	GND	GND
4	NC	-Vout	-Vout
5	-Vout	NP	COM
6	+Vout	+Vout	+Vout

Add "A" to the end of Partnumber.  
For example S7U-0505A 1Watt

Add "/S" to the end of Partnumber  
for short circuit protection.  
For example: S7U-0505/S 1W

ALL DIMENSIONS IN MM  
Tolerance +/- 0,25mm  
All pins on a 2,54mm pitch  
NC = No connection, NP = No pin

NOTE: Input and output capacitor  
4,7µF - 10µF recommended.  
Dot denotes pin 1  
2 Watt version less stressable  
than 1 Watt Version

Specification may be changed without notice  
please contact office for verification

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