

Unregulated
Case Style: SIP 6

COMMERCIAL-INDUSTRIAL DC/DC Converters

1 Watt
Series: S6UM

Electrical specifications: *

Input Voltage range: $\pm 10\%$
Output voltage accuracy: $\pm 5\%$
Line Voltage regulation: $\pm 1,2\% / 1\%$ of V_{in} max.
Load Voltage regulation: 5V output type 15% max.
(10% to 100% full load) 9V ~ 24V output types 10% max.

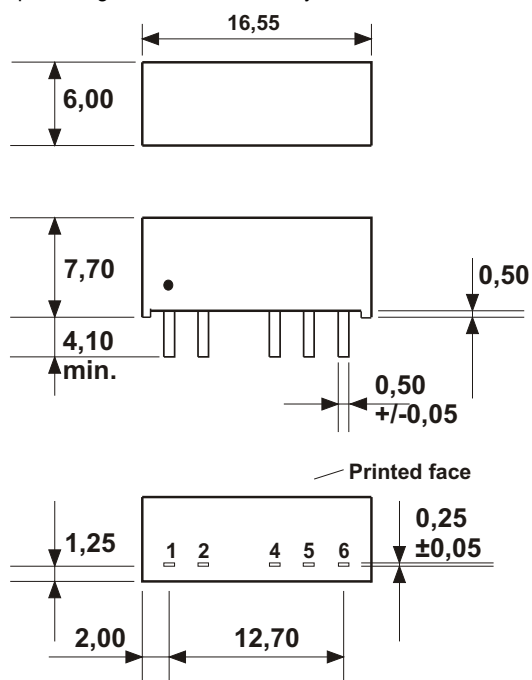
Efficiency: up to 85%
Short circuit protection: 1,0 second
optional part no.: /S continuous
Output Ripple & Noise: 100mVp-p max.
Operating temperature: -40°C to $+85^{\circ}\text{C}$
Isolation voltage: min. 3000V DC

CAUTION NO INPUT POLARITY CHANGE ALLOWED!

* Note: Measured @ 25°C with the condition
of V_{in} = nominal and full load

Single Output				Dual Output			
Part - No.	Input Voltage	Output Voltage	Output current	Part - No.	Input Voltage	Output Voltage	Output current
S6UM-0503,3	5V	3,3V	303mA	S6UM-0505D	5V	$\pm 5\text{V}$	$\pm 100\text{mA}$
S6UM-0505		5V	200mA	S6UM-0512D		$\pm 12\text{V}$	$\pm 42\text{mA}$
S6UM-0512		12V	83mA	S6UM-0515D		$\pm 15\text{V}$	$\pm 33\text{mA}$
S6UM-0515		15V	67mA				
S6UM-1203,3	12V	3,3V	303mA	S6UM-1205D	12V	$\pm 5\text{V}$	$\pm 100\text{mA}$
S6UM-1205		5V	200mA	S6UM-1212D		$\pm 12\text{V}$	$\pm 42\text{mA}$
S6UM-1212		12V	83mA	S6UM-1215D		$\pm 15\text{V}$	$\pm 33\text{mA}$
S6UM-1215		15V	67mA				
S6UM-1503,3	15V	3,3V	303mA	S6UM-1505D	15V	$\pm 5\text{V}$	$\pm 100\text{mA}$
S6UM-1505		5V	200mA	S6UM-1512D		$\pm 12\text{V}$	$\pm 42\text{mA}$
S6UM-1512		12V	83mA	S6UM-1515D		$\pm 15\text{V}$	$\pm 33\text{mA}$
S6UM-1515		15V	67mA				
S6UM-2403,3	24V	3,3V	303mA	S6UM-2405D	24V	$\pm 5\text{V}$	$\pm 100\text{mA}$
S6UM-2405		5V	200mA	S6UM-2412D		$\pm 12\text{V}$	$\pm 42\text{mA}$
S6UM-2412		12V	83mA	S6UM-2415D		$\pm 15\text{V}$	$\pm 33\text{mA}$
S6UM-2415		15V	67mA				

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 voltage 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

Input capacitor 4,7 μF - 10 μF recommended

MILLIMETERS XXXX $\pm 0,25$
All pins on a 2,54mm pitch
Note: NP = No pin; NC = No connection;
Dot denote pin 1