

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

COMMERCIAL - INDUSTRIAL DC/DC Converters Unregulated

**1 Watt / 2 Watt
Series: SL4U**

Electrical specifications:

Input Voltage Range: $\pm 10\%$
Output Voltage Accuracy: $\pm 5\%$ **
Line Voltage Regulation:
1,8V, 3,3V, 5V output types: $\pm 1,3\%$ Typ. / 1% of Vin max.
9V, 12V, 15V, 24V output types: $\pm 1,2\%$ Typ. / 1% of Vin max.
Load Voltage Regulation:
1,8V, 3,3V output types: 20% max.
5V output type: 15% max.
9V, 12V, 15V, 24V output types: 10% max.
(10% to 100% full load)

Operating Temperature: -40°C up to $+85^{\circ}\text{C}$
Efficiency: up to 85%
Output Ripple & Noise: max. 100mVp-p (1W)
max. 200mVp-p (2W)
Short circuit protection: 1,0 second
optional part-no. /S: continuous
Isolation Voltage: min. 1000V DC
optional part-no. /H: min. 2000V DC
optional part-no. /H3: min. 3000V DC
Part-No.: /2 0,25W
Part-No.: /5 0,5W

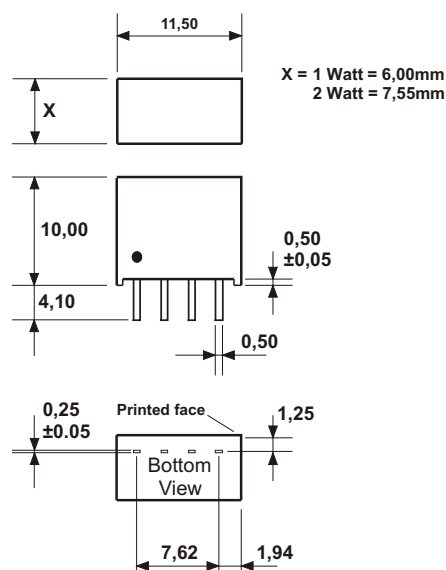
** Note: Measured @25°C with the condition
of Vin = nominal and full load

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

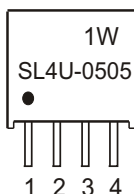
1 Watt				2 Watt			
Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
SL4U-xx01,8 1W	1,8, 3,3, 5, 9, 12, 15, 24	1,8	555	SL4U-xx03,3 2W	5, 9, 12, 15, 24	3,3	606
SL4U-xx03,3 1W	1,8, 3,3, 5, 9, 12, 15, 24	3,3	303	SL4U-xx05 2W	5, 9, 12, 15, 24	5	400
SL4U-xx05 1W	1,8, 3,3, 5, 9, 12, 15, 24	5	200	SL4U-xx07 2W	5, 9, 12, 15, 24	7	285
SL4U-xx07 1W	5, 9, 12, 15, 24	7	143	SL4U-xx09 2W	5, 9, 12, 15, 24	9	222
SL4U-xx09 1W	1,8, 3,3, 5, 9, 12, 15, 24	9	110	SL4U-xx12 2W	5, 9, 12, 15, 24	12	166
SL4U-xx12 1W	1,8, 3,3, 5, 9, 12, 15, 24	12	83	SL4U-xx15 2W	5, 9, 12, 15, 24	15	132
SL4U-xx15 1W	1,8, 3,3, 5, 9, 12, 15, 24	15	66	SL4U-xx24 2W	5, 9, 12, 15, 24	24	83
SL4U-xx24 1W	1,8, 3,3, 5, 9, 12, 15, 24	24	42				

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 or output voltages available



PIN CONNECTION:



ALL DIMENSIONS IN MM
Tolerance $\pm 0,25$
All pins on a 2,54mm pitch
Dot denotes Pin 1

Additional output capacitor
of 4,7µF will reduce ripple
significantly, but is not demanded.

Input capacitor 4,7µF - 10µF recommended.

1 = -Vin
2 = +Vin
3 = -Vout
4 = +Vout