

Regulated
Case Style: SIP 8

COMMERCIAL-INDUSTRIAL DC/DC Converters

1 Watt / 2 Watt
Series: SL8W4

Electrical specifications:

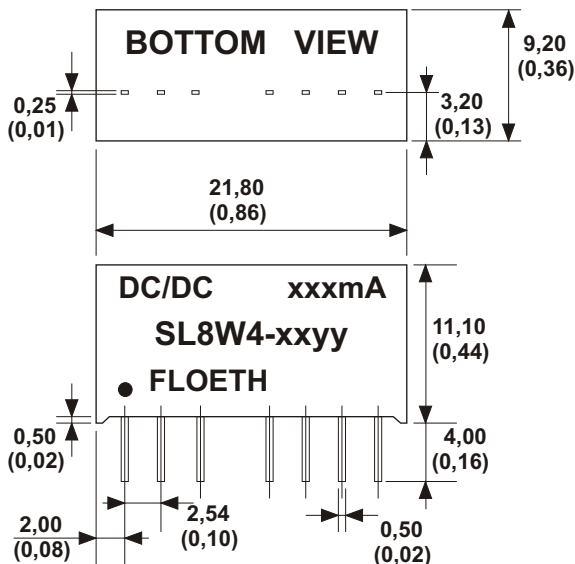
Input Voltage: wide 4:1
Output Voltage Accuracy: typ. $\pm 2\%$
Line Regulation: max. $\pm 0,5\%$
Load Regulation (20% to 100% load): typ. $\pm 0,5\%$
Efficiency: up to 83%

Output Ripple & Noise @ 20MHz BW: max. 50mVp-p
Short Circuit Protection: continuous
Operating Temperature: -40°C to $+85^{\circ}\text{C}$
Isolation Voltage: min. 1000V DC
Part-Nr. /H2 min. 2000V DC
Part-Nr. /H3 min. 3000V DC

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

			1 Watt	2 Watt				1 Watt	2 Watt
SINGLE Part - No.	Input Voltage	Output Voltage	Output Current	Output Current	DUAL Part - No.	Input Voltage	Output Voltage	Output Current	Output Current
SL8W4-2403,3	9 - 36V	3,3V	300mA	500mA	SL8W4-2403,3D	9 - 36V	$\pm 3,3\text{V}$	$\pm 150\text{mA}$	$\pm 250\text{mA}$
SL8W4-2405		5,0V	200mA	400mA	SL8W4-2405D		$\pm 5,0\text{V}$	$\pm 100\text{mA}$	$\pm 200\text{mA}$
SL8W4-2409		9,0V	111mA	222mA	SL8W4-2409D		$\pm 9,0\text{V}$	$\pm 56\text{mA}$	$\pm 111\text{mA}$
SL8W4-2412		12,0V	83mA	166mA	SL8W4-2412D		$\pm 12,0\text{V}$	$\pm 42\text{mA}$	$\pm 83\text{mA}$
SL8W4-2415		15,0V	67mA	134mA	SL8W4-2415D		$\pm 15,0\text{V}$	$\pm 34\text{mA}$	$\pm 67\text{mA}$
SL8W4-4803,3	18 - 72V	3,3V	300mA	500mA	SL8W4-4803,3D	18 - 72V	$\pm 3,3\text{V}$	$\pm 150\text{mA}$	$\pm 250\text{mA}$
SL8W4-4805		5,0V	200mA	400mA	SL8W4-4805D		$\pm 5,0\text{V}$	$\pm 100\text{mA}$	$\pm 200\text{mA}$
SL8W4-4809		9,0V	111mA	222mA	SL8W4-4809D		$\pm 9,0\text{V}$	$\pm 56\text{mA}$	$\pm 111\text{mA}$
SL8W4-4812		12,0V	83mA	166mA	SL8W4-4812D		$\pm 12,0\text{V}$	$\pm 42\text{mA}$	$\pm 83\text{mA}$
SL8W4-4815		15,0V	67mA	134mA	SL8W4-4815D		$\pm 15,0\text{V}$	$\pm 34\text{mA}$	$\pm 67\text{mA}$

Any other output voltages available !



ALL DIMENSIONS IN MM (INCHES)
MILLIMETERS +/- 0,25mm
(INCHES +/- 0,01")
All pins on a 2,54mm pitch

PIN CONNECTION		
PIN	SINGLE	DUAL
1	- Vin	- Vin
2	+ Vin	+ Vin
3	NP Optional: CTRL	CTRL
5	NE	NE
6	+Vout	+Vout
7	- Vout	COM
8	CS Optional external capacitor	- Vout

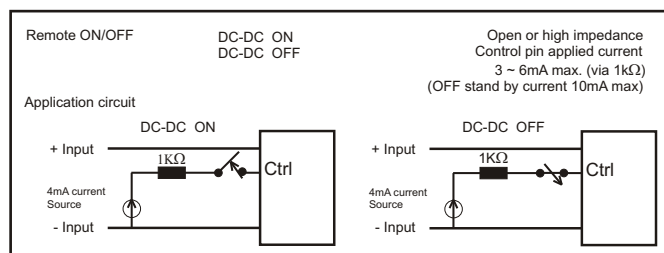
NC = No Connection
NP = No Pin

Pin 5 (NE)

This pin is used internally and must have no external connection

Pin 8 (Cs)

This pin provides a connection point to the main reservoir capacitor. Additional capacitance can be added from this pin 7. Any low esr capacitor will improve ripple and noise in some measure. The benefit of this access point over simple additional output capacitance is that it precedes the output filter inductor. Maximum values of external capacitance will be dependent on the output voltage / loading of the converter and the desired ripple figure. Starting values can be in the range of 100 μF



Specification may be changed without notice
please contact office for verification

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