

**Unregulated
Dual Output
SMD Case: SO18 package**

COMMERCIAL DC/DC Converters

**1 Watt / 2 Watt
Series: SD18**

Electrical specifications:

Input Voltage Range:	+/- 10%
Input Filter:	capacitor
Output Voltage Accuracy:	+/- 5% **
Line Voltage Regulation:	+/-1,2% / 1% of Vin max.
Load Voltage Regulation:	1,8V, 3,3V output types 20% max.
(10% to 100% full load):	5V output type 15% max.
	9V ~ 24V output types 10% max.
Ripple & Noise/@20MHz BW:	1W max. 100mVp-p
	2W max. 150mVp-p
Reflow Temperature:	245°C (30sec) max.

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

Efficiency at Full Load:	min. 70%
Isolation Voltage:	min. 1000V DC
Optional Part-No.: /H2	min. 2000V DC
Optional Part-No.: /H3	min. 3000V DC
Short Circuit Protection:	1.0 second
Optional Part-No.: /S	continuous
Operating Temp. Range:	-40°C to +85°C
Storage Temp. Range:	-55°C to +125°C

Part-No.: /2	0,25W
Part-No.: /5	0,5W
with marking /X denotes with ten pins	

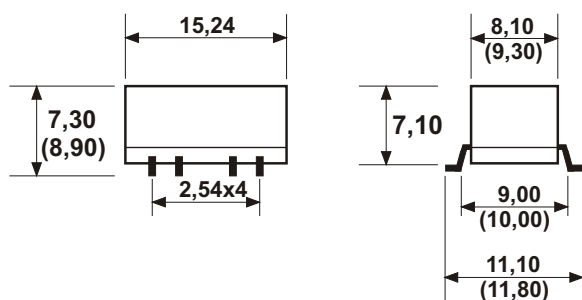
CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

				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)
SD18-xx01,8D 1W	1,8, 3,3, 5, 9, 12, 15, 24	± 1,8		± 278	SD18-xx03,3D 2W	5, 9, 12, 15, 24	± 3,3		± 304
SD18-xx03,3D 1W	1,8, 3,3, 5, 9, 12, 15, 24	± 3,3		± 152	SD18-xx05D 2W	5, 9, 12, 15, 24	± 5		± 200
SD18-xx05D 1W	1,8, 3,3, 5, 9, 12, 15, 24	± 5		± 100	SD18-xx09D 2W	5, 9, 12, 15, 24	± 9		± 111
SD18-xx09D 1W	1,8, 3,3, 5, 9, 12, 15, 24	± 9		± 56	SD18-xx12D 2W	5, 9, 12, 15, 24	± 12		± 84
SD18-xx12D 1W	1,8, 3,3, 5, 9, 12, 15, 24	± 12		± 42	SD18-xx15D 2W	5, 9, 12, 15, 24	± 15		± 66
SD18-xx15D 1W	1,8, 3,3, 5, 9, 12, 15, 24	± 15		± 33	SD18-xx24D 2W	5, 9, 12, 15, 24	± 24		± 42
SD18-xx24D 1W	1,8, 3,3, 5, 9, 12, 15, 24	± 24		± 21					

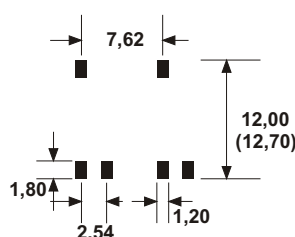
The input voltage can be increased by the value of the selected output voltage in boost operation (see Application Note C43, page 149).

Any other input or output voltages available

Mechanical Specifications:

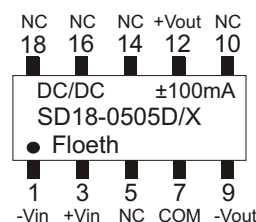
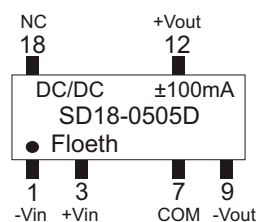


Footprint:



ALL DIMENSIONS IN MM
(x,yy) 2Watt Type
Tolerance +/-0,25mm
All pins on a 2,54mm pitch.
Dot marks Pin 1

PIN CONNECTION:



Specification may be changed without notice
please contact office for verification

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