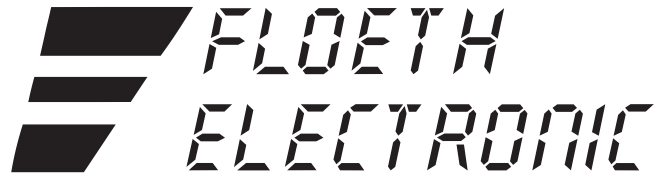


DC/DC Converter
AC/DC Inverters
Delay-Lines
Pulsetransformers
Burst & Surge Filters
Harmonic Filters
Switching Power Supplies

Am Malfinger Steig 13
86920 Denklingen/Obb.
Germany
Tel.: 08243-9693-0
Fax: 08243-9693-33
www.floeth-electronic.com



Stand: 27/07

**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.

Efficiency at Full Load: min. 70%
Isolation Voltage: min. 1000V DC
Optional Part-No.: /H min. 2000V DC
Optional Part-No.: /H3 min. 3000V DC (max. 1W)
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

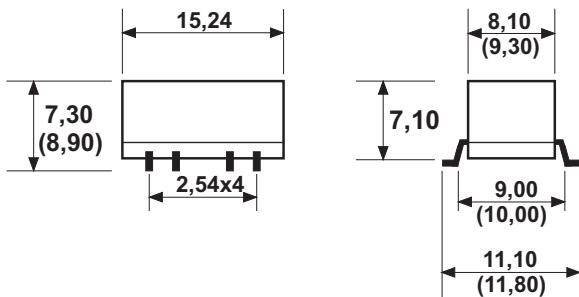
** Note: Measured @25°C with the condition
of Vin = nominal and full load

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

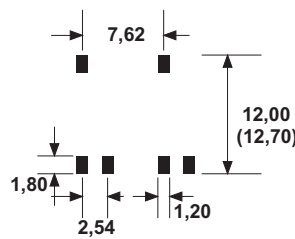
1 Watt				2 Watt			
Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
SD18-xx01,8D 1W	1.8, 3.3, 5, 9, 12, 15, 24	± 1,8	± 278	SD18-xx03,3D 2W	5, 9, 12, 15, 24	± 3,3	± 152
SD18-xx03,3D 1W	1.8, 3.3, 5, 9, 12, 15, 24	± 3,3	± 152	SD18-xx05D 2W	5, 9, 12, 15, 24	± 5	± 100
SD18-xx05D 1W	1.8, 3.3, 5, 9, 12, 15, 24	± 5	± 100	SD18-xx09D 2W	5, 9, 12, 15, 24	± 9	± 56
SD18-xx09D 1W	1.8, 3.3, 5, 9, 12, 15, 24	± 9	± 56	SD18-xx12D 2W	5, 9, 12, 15, 24	± 12	± 42
SD18-xx12D 1W	1.8, 3.3, 5, 9, 12, 15, 24	± 12	± 42	SD18-xx15D 2W	5, 9, 12, 15, 24	± 15	± 33
SD18-xx15D 1W	1.8, 3.3, 5, 9, 12, 15, 24	± 15	± 33	SD18-xx24D 2W	5, 9, 12, 15, 24	± 24	± 21
SD18-xx24D 1W	1.8, 3.3, 5, 9, 12, 15, 24	± 24	± 21				

Any other input or output voltages available

Mechanical Specifications:

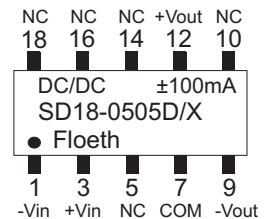
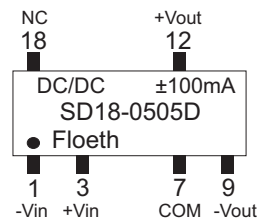


Footprint:



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.