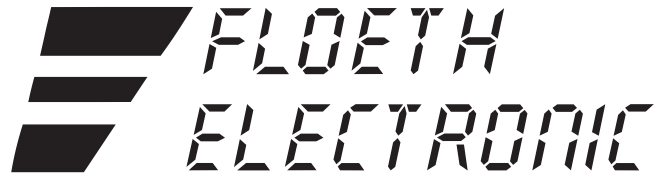


DC/DC Converter
 AC/DC Inverters
 Delay-Lines
 Pulsetransformers
 Burst & Surge Filters
 Harmonic Filters
 Switching Power Supplies

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



Stand: 27/07

**Unregulated
 Single Output
 SMD Case: SO14 package**

COMMERCIAL DC/DC Converters

**1 Watt / 2 Watt
 Series: SD14**

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.
 Reflow Temperature: 245°C (30 sec) max.

Ripple/Noise @20MHz BW: max. 100mVp-p (1W)
 max. 150mVp-p (2W)
 Efficiency at Full Load: min. 70%
 Isolation Voltage: min.1000V 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

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

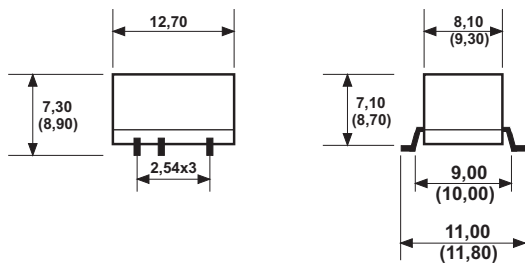
Part-No.: /2 0,25W
 Part-No.: /5 0,5W
 with marking /X denotes with eight pins

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

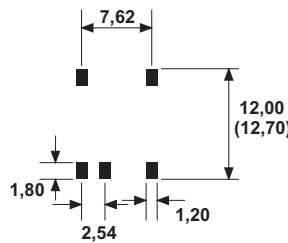
			1 Watt				2 Watt
Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
SD14-xx01,8 1W	1.8, 3.3, 5, 9, 12, 15, 24	1,8	555	SD14-xx03,3 2W	5, 9, 12, 15, 24	3,3	606
SD14-xx03,3 1W	1.8, 3.3, 5, 9, 12, 15, 24	3,3	303	SD14-xx05 2W	5, 9, 12, 15, 24	5	400
SD14-xx05 1W	1.8, 3.3, 5, 9, 12, 15, 24	5	200	SD14-xx09 2W	5, 9, 12, 15, 24	9	222
SD14-xx09 1W	1.8, 3.3, 5, 9, 12, 15, 24	9	110	SD14-xx12 2W	5, 9, 12, 15, 24	12	166
SD14-xx12 1W	1.8, 3.3, 5, 9, 12, 15, 24	12	84	SD14-xx15 2W	5, 9, 12, 15, 24	15	132
SD14-xx15 1W	1.8, 3.3, 5, 9, 12, 15, 24	15	66	SD14-xx24 2W	5, 9, 12, 15, 24	24	83
SD14-xx24 1W	1.8, 3.3, 5, 9, 12, 15, 24	24	42				

Any other input or output voltages available

Mechanical Specifications:

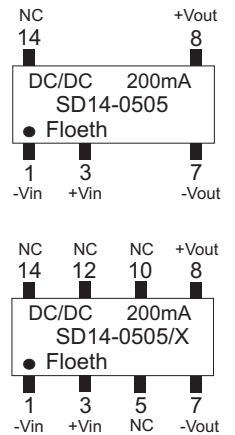


Footprint:



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.