

Stand: 24/09

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
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

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

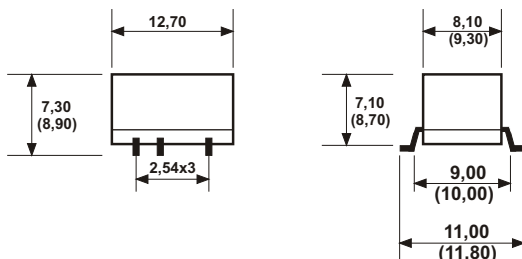
Part-No.: /2 0,25W
Part-No.: /5 0,5W
with marking /X denotes with eight pins

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

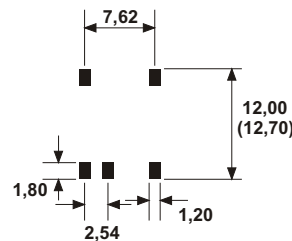
			1 Watt				2 Watt
Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
SD14-xx01,8 1W	1,8, 3,3, 5, 9, 12, 15, 24	1,8	555	SD14-xx03,3 2W SD14-xx05 2W SD14-xx09 2W SD14-xx12 2W SD14-xx15 2W SD14-xx24 2W	5, 9, 12, 15,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

Any other input or output voltages available

Mechanical Specifications:

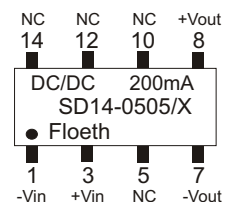
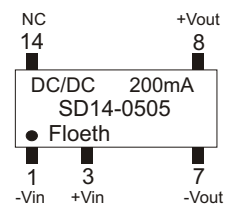


Footprint:



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.