

Regulated
 Single output
 SMD Case: SO18 package

COMMERCIAL DC/DC Converters

0,5 Watt
 Series: SDR18

Electrical specifications:

Input voltage range:	+/- 5%	Efficiency at full load:	min. 50%
Input filter:	capacitor	Isolation voltage:	min. 1000V DC
Output voltage accuracy:	+/- 5%	Optional Part-No.: /H	min. 2000V DC
Line regulation:	max. 1.0%	Short circuit protection:	1.0 second
Load regulation:	max. 1,0 %	Optional Part-No.: /S	continuous
Ripple/Noise @20MHz BW:	max. 50mVp-p	Operating temp. range:	-40°C to +70°C
		Storage temp. range:	-55°C to +125°C

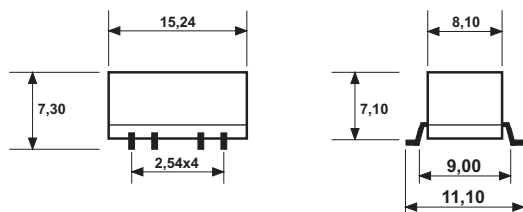
Note: Measured conditions Ta=25°C, Vin = nominal, full load.

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Model Number single	Input Voltage DC	Output Voltage DC	Output Current mA
SDR18-0505 SDR18-0512 SDR18-0515	5V	5V 12V 15V	100mA 42mA 33mA
SDR18-0905 SDR18-0912 SDR18-0915	9V	5V 12V 15V	100mA 42mA 33mA
SDR18-1205 SDR18-1212 SDR18-1215	12V	5V 12V 15V	100mA 42mA 33mA
SDR18-1505 SDR18-1512 SDR18-1515	15V	5V 12V 15V	100mA 42mA 33mA
SDR18-2405 SDR18-2412 SDR18-2415	24V	5V 12V 15V	100mA 42mA 33mA

Any other input & output voltages available

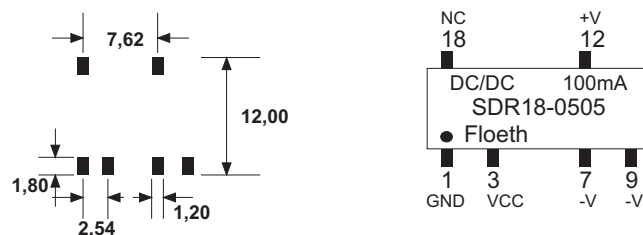
Mechanical Specifications:



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

Footprint:

PIN CONNECTION:



Specification may be changed without notice
 please contact office for verification

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

COMMERCIAL DC/DC Converters

1 Watt
Series: SDR18

Regulated
 Single output
 SMD Case: SO18 package

Electrical specifications:

Input voltage range: +/- 5%
 Input filter: capacitor
 Output voltage accuracy: +/- 5%
 Line regulation: max. 1.0%
 Load regulation: max. 1,0 %
 Ripple/Noise @20MHz BW: max. 50mVp-p

Efficiency at full load: min. 50%
 Isolation voltage: min. 1000V DC
 Optional Part-No.: /H min. 2000V DC
 Short circuit protection: 1,0 second
 Optional Part-No.: /S continuous
 (Only 3V - 5V output voltage)
 Operating temp. range: -40°C to +70°C
 Storage temp. range: -55°C to +125°C

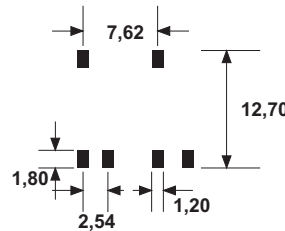
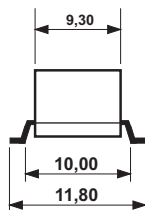
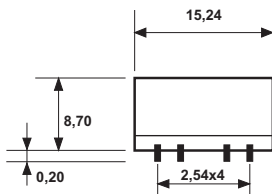
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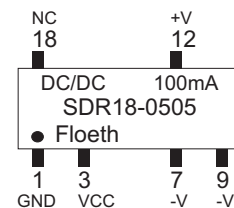
Part-No.	Input Voltage VDC	Output Voltage DC	Output Current mA
SDR18-xyyy	3,3, 5, 9, 12, 15, 24, 30	3V - 15V	Depending on Output Voltage
With Short Circuit Protection (Part-No.: /S)			
SDR18-xx03/S	3,3, 5, 9, 12, 15, 24, 30	3V	200mA
SDR18-xx03,3/S	3,3, 5, 9, 12, 15, 24, 30	3,3V	200mA
SDR18-xx04,85/S	3,3, 5, 9, 12, 15, 24, 30	4,85V	200mA
SDR18-xx05/S	3,3, 5, 9, 12, 15, 24, 30	5V	200mA

Any other output voltages available

Mechanical Specifications:



PIN CONNECTION:



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

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