

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 |

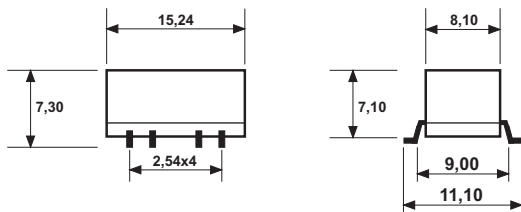
Note: Measured conditions Ta=25°C, Vin = nominal, full load.

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

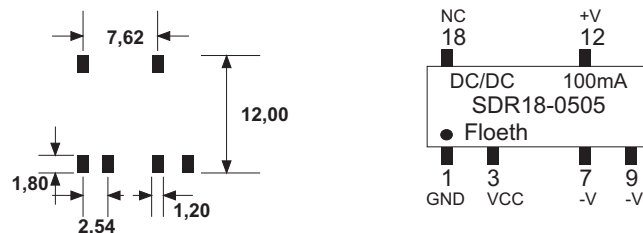
Mechanical Specifications:



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

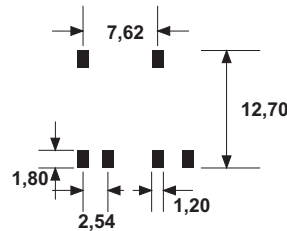
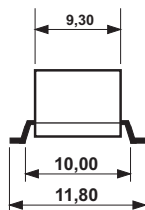
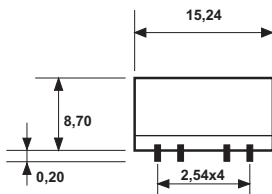
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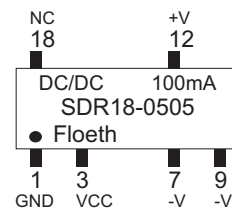
| Part-No. | Input Voltage VDC | Output Voltage DC | Output Current mA |
|---|---------------------------|-------------------|-----------------------------|
| SDR18-xyyy | 3,3, 5, 9, 12, 15, 24, 30 | 3V - 15V | Depending on Output Voltage |
| With Short Circuit Protection (Part-No.: /S) | | | |
| SDR18-xx03/S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