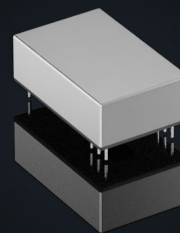




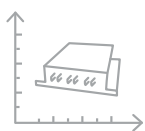
DC-Converter 100-Serie

105-5.0

6W, non-isolated DC/DC buck converter



«Designed in Switzerland, made in Germany, proven in the World»



32x20x11mm



14g



6W

SPECIFICATIONS

ultra wide input voltage range	7...36VDC
Max. input peak voltage	38 VDC
efficiency	95% (nominal load)
Output voltage / output power	5.0 VDC / 6 watts
Typical max. output current	1.2 ADC
Extrem high specific power per weight (gravimetry)	0.4 watts/gramm
EMC-type-test	☑

DC-CONVERTER 105-5.0

The DC/DC buck converter 105 with 5.0V output voltage delivers up to 2.5A current at input voltages from 7 to 36VDC. The compact and smallest design makes this classic POL converter (Point of Load DC/DC converter for decentralized PCB power supply) with integrated EMC filter the first choice especially in applications with very high ambient temperatures up to 85°C.

The polyurethane encapsulated, non-insulated DC/DC converter in a DIL24 housing delivers full performance over the specified temperature range.

Even this small DC/DC converter is customizable.

FEATURES

- ◇ non-isolated DC/DC buck converter
- ◇ robust and climate proof design
- ◇ excellent thermal characteristics
- ◇ permanently no-load and short-circuit proof
- ◇ integrated EMI input filter
- ◇ no power derating
- ◇ for ambient temperatures between -40°C / +85°C
- ◇ thermal shutdown at +110°C