



DC-Transformer 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 | <input checked="" type="checkbox"/> |

DC-TRANSFORMER 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



Please check technical Datasheet for further information on www.demke-electronic.com