

DC-Transformer 100-Serie

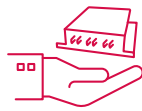
145-12-SD

150W, non-isolated DC/DC buck converter

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



77x52x19mm



165g



150W



SPECIFICATIONS

ultra wide input voltage range	16...100VDC
Max. input peak voltage	125 VDC
efficiency	95% (nominal load)
Output voltage / output power	12.0 VDC / 150 watts
Typical max. output current	12.0 ADC
Extrem high specific power per weight (gravimetry)	0.9 watts/gramm
EMC-type-test	<input checked="" type="checkbox"/>

DC-TRANSFORMER 145-12-SD

This is the ultimate dc dc converter for 12VDC supply up to 12A. This ultra-compact DC-DC buck converter with very high power density has excellent thermal properties. Customer specific adjustments easily configurable. In the E-version, the optional reverse polarity protection diode is built in to prevent reverse flow of current during discharge from active loads like batteries. See also our Master 14X.

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 and output filter
- ◇ no power derating
- ◇ for ambient temperatures between -40°C / +85°C
- ◇ thermal shutdown at +90°C



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