



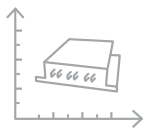
DC-Converter 100-Serie

145-19-SD

190W, non-isolated DC/DC buck converter



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



77x52x19mm



165g



190W



SPECIFICATIONS

ultra wide input voltage range	21...100VDC
Max. input peak voltage	125 VDC
efficiency	97% (nominal load)
Output voltage / output power	19.0 VDC / 190 watts
Typical max. output current	10.0 ADC
Extrem high specific power per weight (gravimetry)	1.2 watts/gramm
EMC-type-test	

DC-CONVERTER 145-19-SD

An extremely compact DC DC converter with 19V output voltage, developed for mobile, space-saving computer and IT applications. The Demke DC-Converter 145-19-SD delivers 10A output current at 19VDC - 19.5VDC without power derating over a wide temperature range from -40°C to +85°C. The 19V dc dc converter is used as a mobile charger for laptops or notebooks in mobile warehouse management systems.

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
- ◇ CC/CV charging characteristic