HPC2R0-230
High Power Planar Choke 2µH / 230Adc

APPLICATIONS
- Automotive HV/LV DCDC onboard converters

FEATURES
- High power planar output filtering choke
- Clearance greater than 2.5mm between outputs / core
- UL94 and RoHS materials
- AEC-Q200 qualified
- Weight: approx 280grams

OPERATION
- Output filtering choke 2µH 230Adc 200kHz
- Inductance value at MAX current: 1.9µH < Ldc (1.9µH TYP) < 2.9µH
- Copper losses: 15W @100°C (@230Adc)
- Iron losses: 5W with MAX 14App ripple of current @200kHz
- Operating temperature -40/+125°C
- Mounting on cold plate @+75°C MAX

INDUCTANCE at 25ºC
L (100kHz/1Vac/0-14Adc) 2,6µH ±10%

DC RESISTANCE at 25ºC
R 0,25Ω TYP (0,3mΩ MAX)

DIELECTRIC STRENGTH
{WDG}/{CORE} 500Vac (50Hz/3mA/1min*)

ELECTRICAL SPECIFICATIONS
- Inductance at 25ºC
  L (100kHz/1Vac/0-14Adc) 2,6µH ±10%
- DC Resistance at 25ºC
  R 0,25Ω TYP (0,3mΩ MAX)
- Dielectric Strength
  {WDG}/{CORE} 500Vac (50Hz/3mA/1min*)

(*) 1min in qualification / 2sec in mass production