**New**

**DCDC2400-001**

Push-Pull Transformer 2kW 100kHz 1+1:12

**APPLICATIONS**
- Automotive HV/LV DCDC onboard converters

**FEATURES**
- Push-Pull 2kW transformer
- Switching frequency 100kHz
- UL94 and RoHS materials (F/155°C)
- Design based on AEC-Q200
- Weight: approx 350 grams

**OPERATION**
- Vin = 16-32Vdc / Vout = 400Vdc
- Operating temperature -40/+125°C with cooling

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**SPECIFICATIONS**

**INDUCTANCE at 25°C**

- Lp
  - (100kHz/1Vac) 18.5µH ±20%

**DC RESISTANCE at 25°C**

- R1-3
  - 0.30mΩ MAX
- R4-5
  - 25mΩ MAX

**TURN-RATIO**

- Np:Ns
  - 1+1:12

**LEAKAGE INDUCTANCE**

- Llk4-5
  - (100kHz/1Vac, 1-3 shorted) 1.80µH MAX

**DIELECTRIC STRENGTH**

- (Np)/CORE
  - 50V/50Hz/5mA/1min*
- (Np)/(Ns+CORE)
  - 3kV/50Hz/5mA/1min*

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