**CMCF2R0-16V**

**Common Mode Choke 2x2mH / 16Arms**

**INDUCTIVE COMPONENTS / COMMON MODE CHOKES**

### FEATURES

- High permeability MnZn ferrite core (Tc > 130°C)
- Optimized size for high power density vs. freq. attenuation
- Wide operating temperature range -40 to +125°C
- UL94V and RoHS materials
- AEC-Q200 qualified
- Weight: approx. 52 grams

### APPLICATIONS

- Automotive EV/PHV AC/DC onboard battery chargers
- Automotive HV/LV DC/DC converters

### OPERATION

- Up to 16A (RMS or DC) per winding
- Total losses < 5W @100°C/2x16Arms
- Cooling of the windings is needed

### SPECIFICATIONS

#### INDUCtANCE at 25°C

$L_{1-4} = L_{2-3} (10kHz/0.3Vac)$

2.1 mH TYP (1.4-2.9mH)

#### TURN-RATIO

$N_{1-4} : N_{2-3} (10kHz/1Vac)$

1:1

#### DC RESISTANCE at 25°C

$DCR_{1-4} = DCR_{2-3}$

7mΩ TYP (9.2mΩ MAX)

#### LEAKAGE INDUCTANCE

$L_{lk_{1-4}} = L_{lk_{2-3}} (100kHz/1Vac)$

12µH TYP (9-15µH)

#### DIELECTRIC STRENGTH

Between Windings

1000Vac (50Hz/3mA/1min)