Common Mode Choke 2x2.5mH/35Apk

**GENERAL CATALOGUE 2023**

**APPENDIX**

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

**FEATURES**
- Rated current: 24 A
- Peak current: 35 A
- Max operating voltage: 870 V
- Operating ambient temperature: -40°C to +150°C
- Weight: Approx. 45 grams

**OPERATION**
- Estimated copper losses @5°C, 2.4Arms: 2.4 W

**INDUCTIVE COMPONENTS / COMMON MODE CHOKES**

**CMCN2R0-24H**

**SPECIFICATIONS**

- **INDUCTANCE at 25°C**
  - L1 - 4 = L2 – 3 (10 kHz / 300mVac)
  - 2.6 mH TYP (1.7 - 3.6 mH)

- **TURN-RATIO**
  - N1 - 4 / N2 – 3
  - 6:6

- **DC RESISTANCE at 25°C**
  - RDC1 - 4 = RDC2 - 3
  - 1.7 mΩ TYP < 2.2 mΩ MAX

- **LEAKAGE INDUCTANCE**
  - Llk1-4 (100kHz / 1 Vac, 2-3 shorted)
  - 12µH TYP (9-15µH)

- **DIELECTRIC STRENGTH**
  - Between Windings
  - 2500 Vac (50-60Hz/0.1 mA/2s)

**RECOMMENDED PAD-LAYOUT**

**ELECTRICAL DIAGRAM**