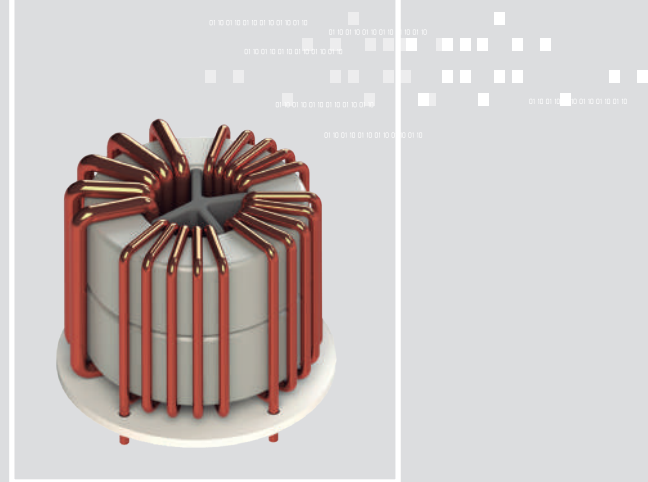


New

## CMCN4R3-16H3

CMC 3P+N 4x4.3mH / 16+16+16+48Arms

INDUCTIVE COMPONENTS / COMMON MODE CHOKES



### APPLICATIONS

- › Automotive EV/PHV AC/DC onboard battery chargers

### 01 FEATURES

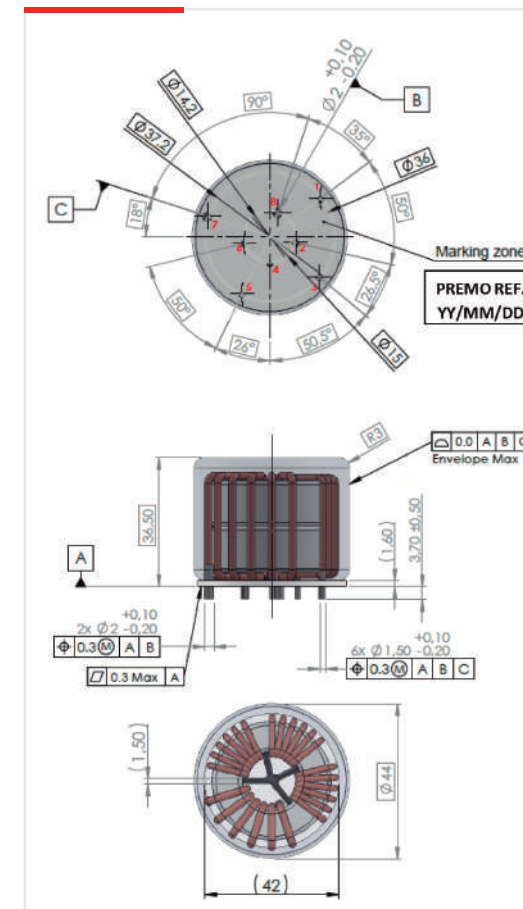
- › 3-phase + neutral CMC using nanocrystalline core
- › Optimized size for higher power density
- › Wide operating temperature range -40 to +140°C
- › UL94V and RoHS materials
- › AEC-Q200 qualified
- › Weight : approx 120grams

### 02 OPERATION

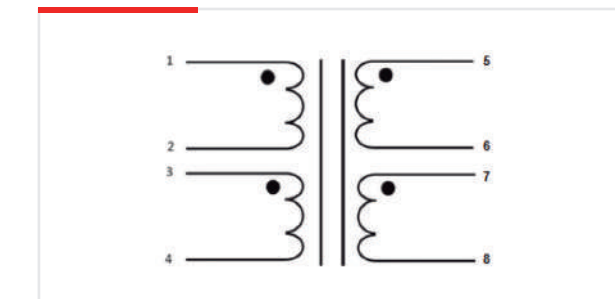
- › Up to 3x16Arms+48Arms (or 2x48Arms single-phase)
- › Total losses < 12W @100°C/3x16Arms+48Arms
- › Cooling of the windings is required in the application

### 03 SPECIFICATIONS

#### DIMENSIONS



#### ELECTRICAL DIAGRAM



#### ELECTRICAL SPECIFICATIONS

INDUCTANCE at 25°C	
L (10kHz/0.3Vac)	4.3mH TYP (2.8-5.8mH)
TURN-RATIO	
N (10kHz/1Vac)	1:1:1:1
DC RESISTANCE at 25°C	
DCRPhase	4.3mΩ TYP (5.5mΩ MAX)
DCRNeutral	2.5mΩ TYP (3.2mΩ MAX)
DIELECTRIC STRENGTH	
Between Windings	1500Vac (50Hz/3mA/1min)