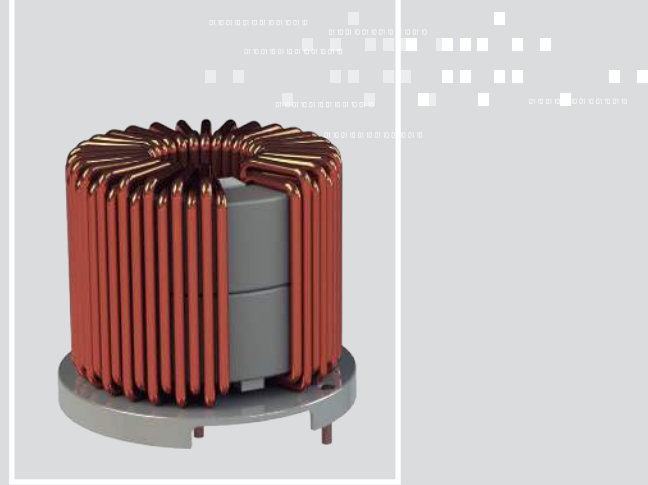


New

PFCA500-8H

PFC Choke 500 μ H / 8Arms / 15Apk / 90kHz

INDUCTIVE COMPONENTS / PFC CHOKES



APPLICATIONS

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

01 FEATURES

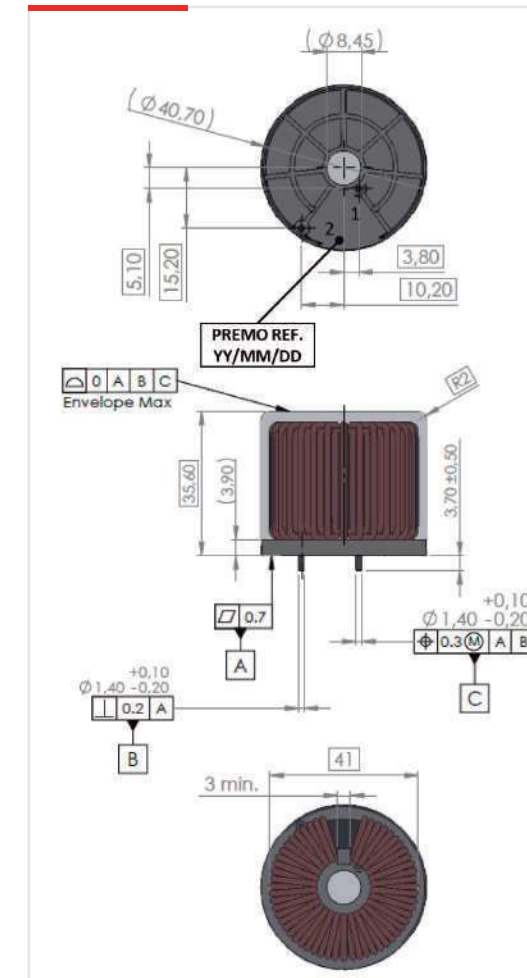
- › PFC Choke for interleaved 3.5kW operation
- › Amorphous core for higher efficiency
- › Wide operating temperature range -40 to +140°C
- › UL94 and RoHS materials
- › AEC-Q200 qualified
- › Weight : approx 120grams

02 OPERATION

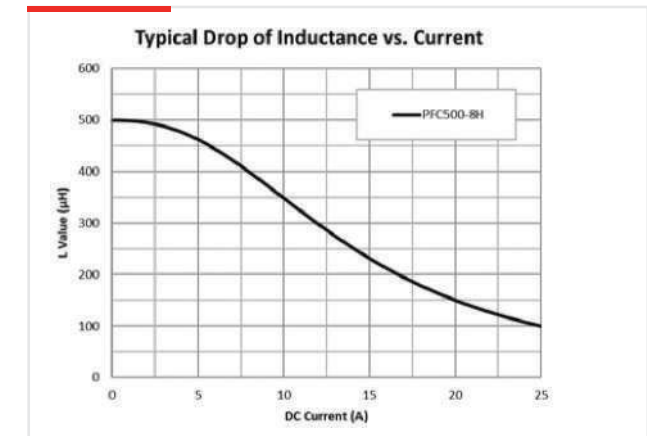
- › Up to 8Arms / 15Apk
- › Ripple up to 5App @90kHz
- › Total losses < 5W @100°C/8Arms+ripple
- › Estimated temperature rise on PCB < 35°C

03 SPECIFICATIONS

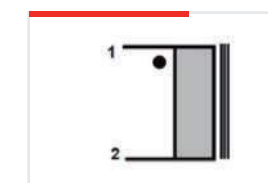
DIMENSIONS



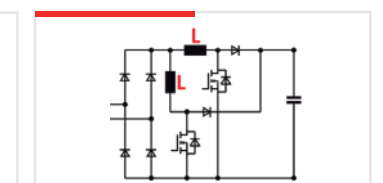
TYPICAL PERFORMANCES



ELECTRICAL DIAGRAM



PFC INTERLEAVED OPERATION



ELECTRICAL SPECIFICATIONS

INDUCTANCE at 25°C

L0 (10kHz/0.3Vac)	500 μ H $\pm 10\%$
L15A (10kHz/0.3Vac/15A _{dc})	175 μ H MIN
L22A (10kHz/0.3Vac/22A _{dc})	115 μ H MIN

DC RESISTANCE at 25°C

DCR	50m Ω TYP (60m Ω MAX)
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