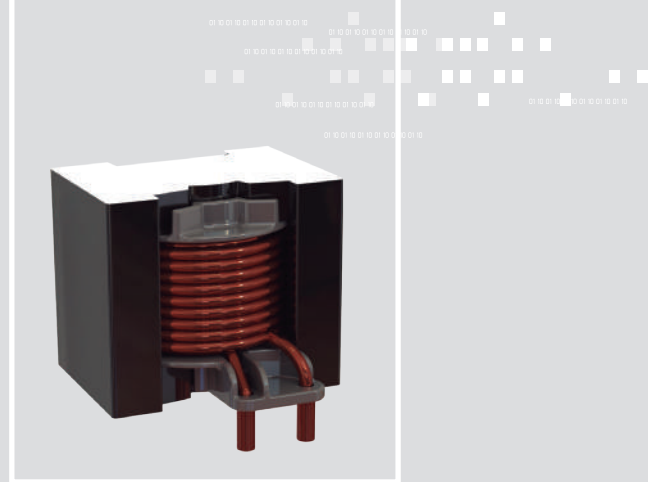


New

RINDLP36R-5

LLC Parallel Resonant Ind. 36 μ H/5Apk 100-250kHz

INDUCTIVE COMPONENTS / RESONANT CHOKES



APPLICATIONS

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

01 FEATURES

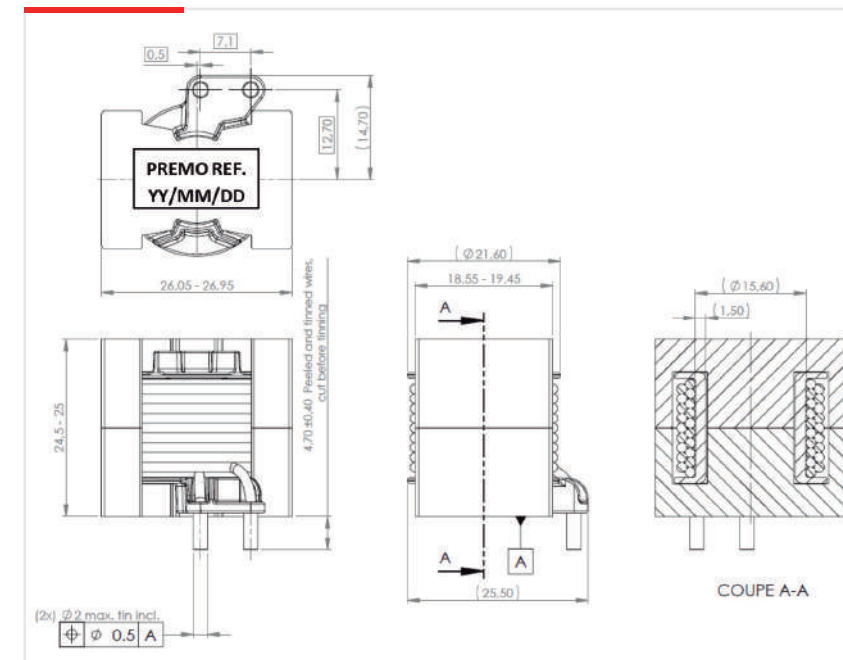
- › Parallel resonant choke for 3,5kW half-bridge LLC
- › Works with $L_p = 36\mu\text{H}$ and $C_r = 312\text{nF}$
- › Frequency range 100-250kHz
- › UL94 and RoHS materials (F/155°C)
- › AEC-Q200 qualified
- › Weight : approx 45grams

02 OPERATION

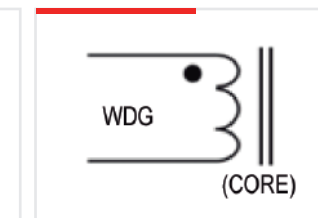
- › $V_{in} = 200-430\text{Vdc}$ / $V_{out} = 200-430\text{Vdc}$
- › RMS current 3Arms MAX
- › Operating temperature -40/+140°C with cooling (potting)

02 SPECIFICATIONS

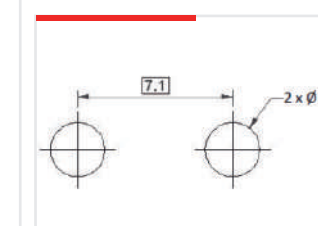
DIMENSIONS



ELECTRICAL DIAGRAM



RECOMMENDED PAD-LAYOUT



ELECTRICAL SPECIFICATIONS

INDUCTANCE at 25°C

L(100kHz/1Vac/0-29A _{dc})	36.1 μ H +/-5%
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DC RESISTANCE at 25°C

R	35m Ω TYP (42m Ω MAX)
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DIELECTRIC STRENGTH

Between Windings/Core	500Vac (50Hz/3mA/1min)*
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(*) 1min in qualification / 2sec in mass production