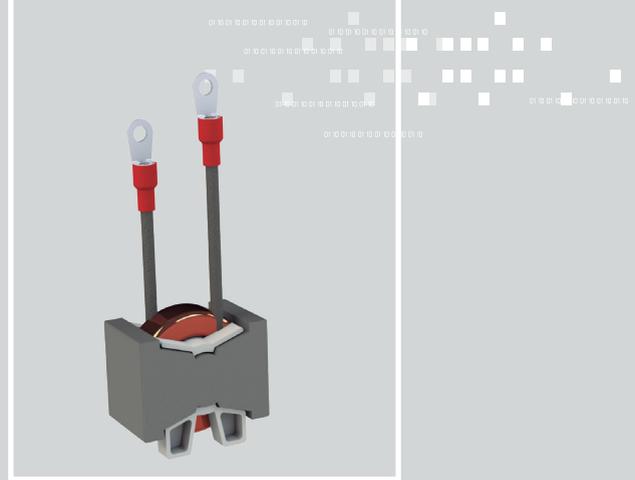


RINDLS22R-29

LLC Serial Resonant Ind. 22µH/29Apk 70-200kHz

INDUCTIVE COMPONENTS / RESONANT CHOKES



APPLICATIONS

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

01 FEATURES

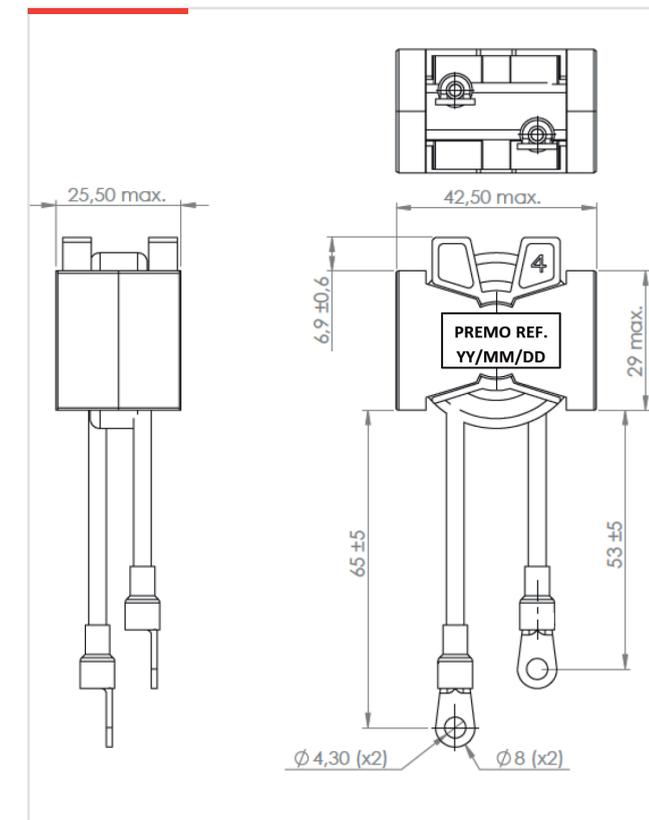
- › Serial resonant choke for 3,5kW full-bridge LLC
- › Works with $L_p = 130\mu\text{H}$ and $C_r = 100\text{nF}$
- › Frequency range 70-200kHz
- › High insulation winding to core
- › UL94 and RoHS materials (F/155°C)
- › Design based on AEC-Q200
- › Weight : approx 120grams

02 OPERATION

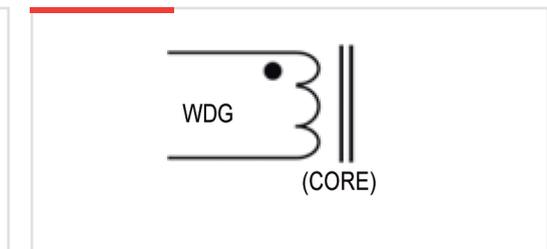
- › $V_{in} = 360-420\text{Vdc}$ / $V_{out} = 200-450\text{Vdc}$
- › RMS current 20Arms MAX
- › Operating temperature $-40/+140^\circ\text{C}$ with cooling (potting)

03 SPECIFICATIONS

DIMENSIONS (mm)



ELECTRICAL DIAGRAM



ELECTRICAL SPECIFICATIONS

INDUCTANCE at 25°C

L(100kHz/1Vac/0-29Adc) | 22µH ±5%

DC RESISTANCE at 25°C

R | 12mΩ TYP
(14mΩ MAX)

DIELECTRIC STRENGTH

Between Windings/Core | 4000Vac
(50Hz/3mA/1min) *

(*) 1min in qualification / 2sec in mass production