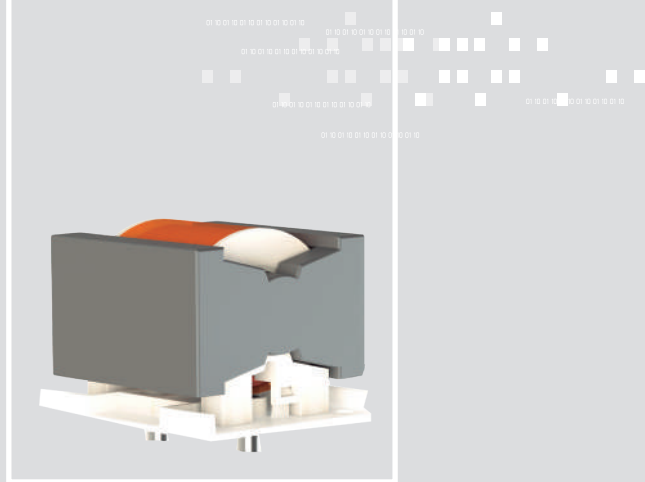


New

RINDLS6.3-30T

LLC Serial Resonant Inductor 6.3μH/30Apk 100-250kHz

INDUCTIVE COMPONENTS / RESONANT CHOKES



APPLICATIONS

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

01 FEATURES

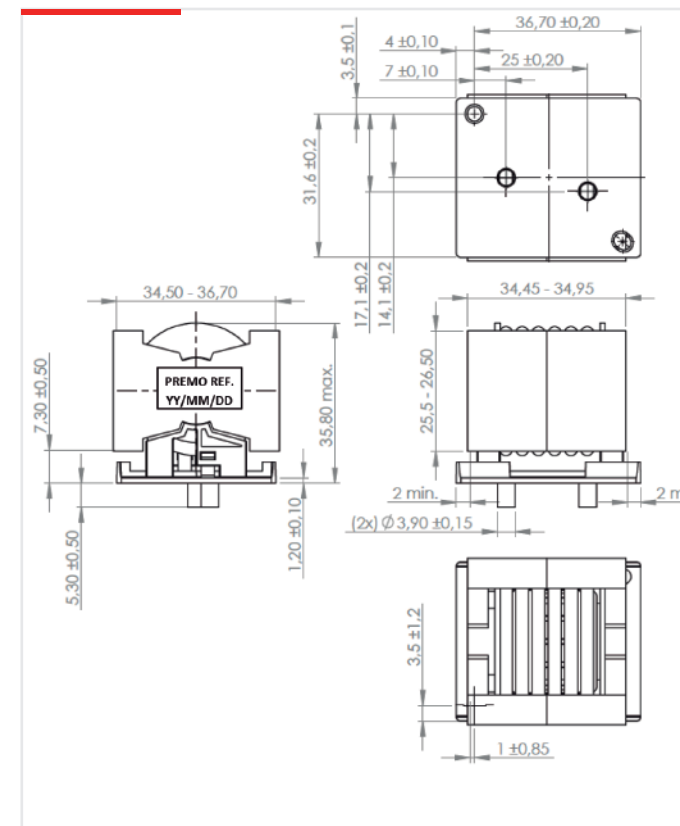
- › Serial resonant choke for 3.5kW half-bridge LLC
- › Works with $L_p = 36\mu\text{H}$ and $C_r = 312\text{nF}$
- › Frequency range 100-250kHz
- › UL94 and RoHS materials (F/155°C)
- › Design based on AEC-Q200
- › Weight : approx 100grams
- › High accuracy outputs position

02 OPERATION

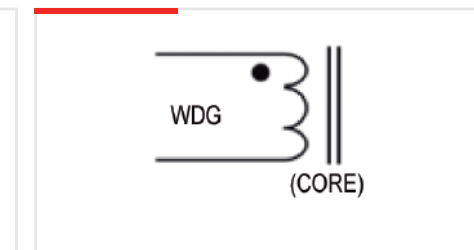
- › $V_{in} = 200-430\text{Vdc}$ / $V_{out} = 200-430\text{Vdc}$
- › RMS current 28Arms MAX
- › Operating temperature -40/+140°C with cooling (potting)

03 SPECIFICATIONS

DIMENSIONS



ELECTRICAL DIAGRAM



ELECTRICAL SPECIFICATIONS

INDUCTANCE at 25°C

L (100kHz/1Vac) | 6,4μH ±8%

DC RESISTANCE at 25°C

R | 4,6mΩ TYP (5,5mΩ MAX)

DIELECTRIC STRENGTH

{WDG}/{CORE} | 500Vac/50Hz/3mA/1min*

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

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