**RINDLS22R-29**

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

**APPLICATIONS**
- Automotive EV/PHV AC/DC onboard battery chargers

**FEATURES**
- Serial resonant choke for 3.5kW full-bridge LLC
- Works with $L_p = 130\mu H$ and $C_r = 100nF$
- Frequency range 70-200kHz
- High insulation winding to core
- UL94 and RoHS materials (F/155°C)
- Design based on AEC-Q200
- Weight: approx 120 grams

**OPERATION**
- Vin = 360-420Vdc / Vout = 200-450Vdc
- RMS current 20Arms MAX
- Operating temperature -40/+140°C with cooling (potting)

**SPECIFICATIONS**

**INDUCTANCE at 25ºC**
$L(100kHz/1Vac/0-29Adc)$

22µH ±5%

**DC RESISTANCE at 25ºC**

$R_{\text{TYP}}$ (14mΩ MAX)

$12m\Omega$ TYP

**DIELECTRIC STRENGTH**
- Between Windings/Core 4000Vac (50Hz/3mA/1min) *

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