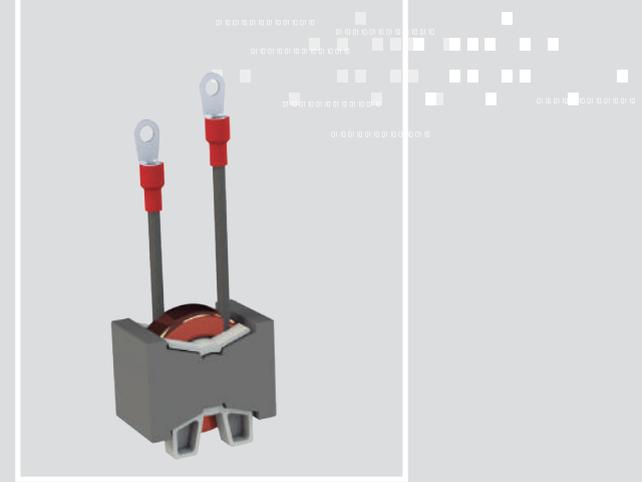


New

## RINDLS22R-29

LLC Serial Resonant Ind. 22 $\mu$ H/29Apk 70-200kHz

INDUCTIVE COMPONENTS / RESONANT CHOKES



### APPLICATIONS

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

### 01 FEATURES

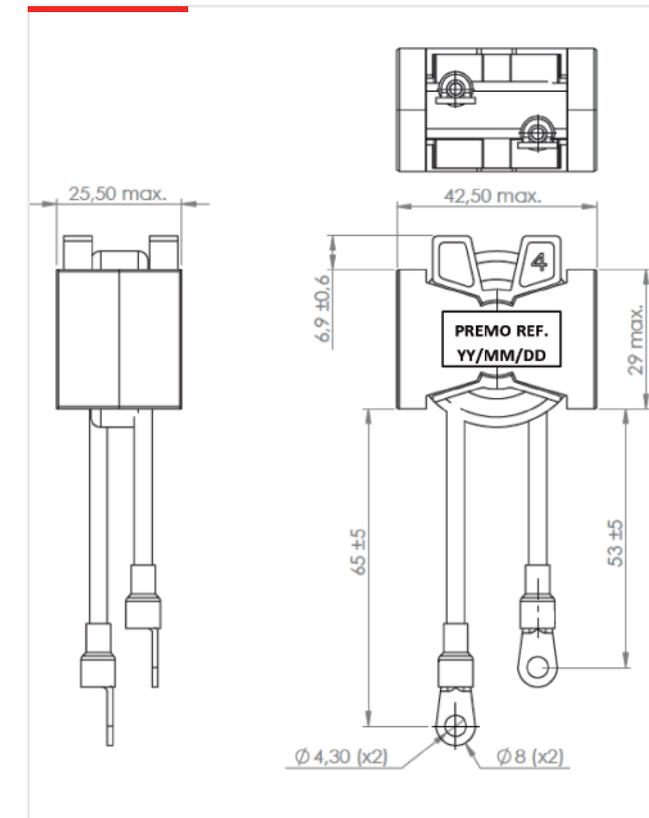
- › Serial resonant choke for 3,5kW full-bridge LLC
- › Works with  $L_p = 130\mu\text{H}$  and  $C_r = 100\text{nF}$
- › Frequency range 70-200kHz
- › High insulation winding to core
- › UL94 and RoHS materials (F/155°C)
- › Design based on AEC-Q200
- › Weight : approx 120grams

### 02 OPERATION

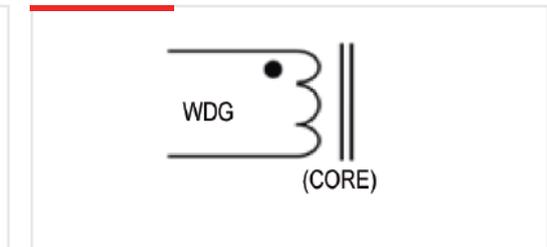
- ›  $V_{in} = 360-420\text{Vdc}$  /  $V_{out} = 200-450\text{Vdc}$
- › RMS current 20Arms MAX
- › Operating temperature -40/+140°C with cooling (potting)

### 03 SPECIFICATIONS

#### DIMENSIONS



#### ELECTRICAL DIAGRAM



#### ELECTRICAL SPECIFICATIONS

##### INDUCTANCE at 25°C

L(100kHz/1Vac/0-29Adc) 22 $\mu$ H  $\pm$ 5%

##### DC RESISTANCE at 25°C

R 12m $\Omega$  TYP  
(14m $\Omega$  MAX)

##### DIELECTRIC STRENGTH

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

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