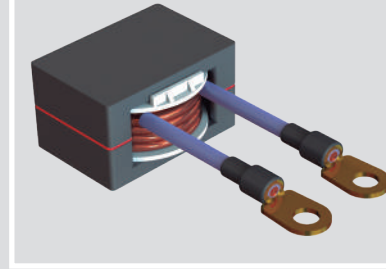


New

## RINDZ14R-14

ZVS Resonant Inductor 14 $\mu$ H 14Apk 100kHz

INDUCTIVE COMPONENTS / RESONANT CHOKES



### APPLICATIONS

- › Automotive DCDC onboard HV/LV converters

### 01 FEATURES

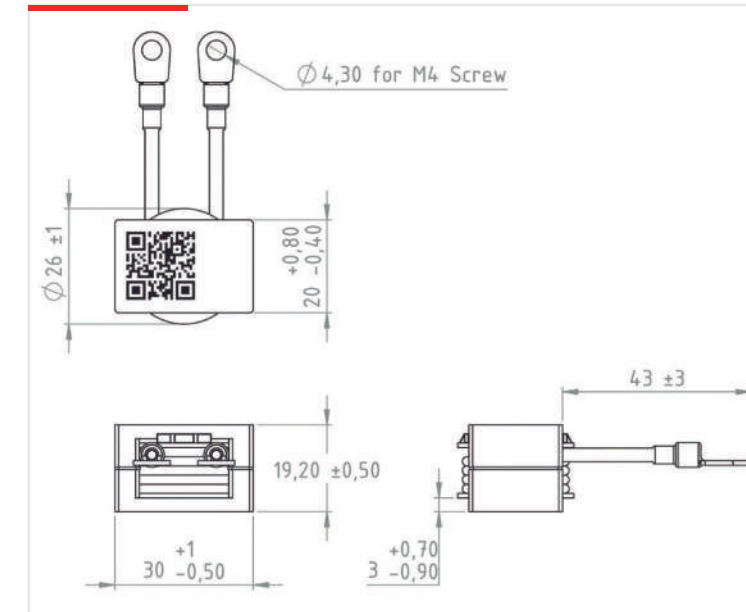
- › Serial ZVS choke for 2-3kW full-bridge converter
- › Typical switching frequency 100kHz
- › Basic insulation level between winding and core up to 3kV
- › UL94 and RoHS materials (F/155°C)
- › AEC-Q200 qualified
- › Weight : approx 60grams

### 02 OPERATION

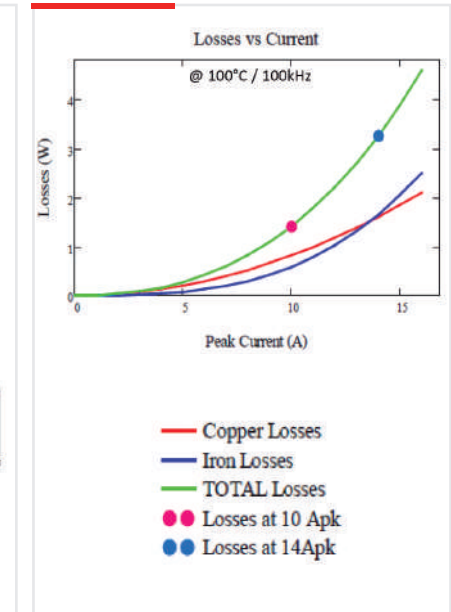
- › Primary peak current up to 14A
- › Total losses 3,3W @ 14Apk / 100kHz / 100°C
- › Operating temperature -40/+150°C
- › Expected temperature increase < 30°C with water cooling

### 03 SPECIFICATIONS

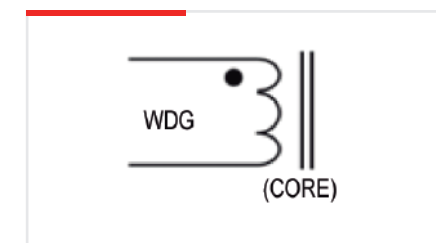
#### DIMENSIONS



#### TYPICAL PERFORMANCES



#### ELECTRICAL DIAGRAM



#### ELECTRICAL SPECIFICATIONS

<b>INDUCTANCE at 25°C</b>	
L (100kHz/1Vac/0-14Adc)	14 $\mu$ H $\pm$ 10%
<b>DC RESISTANCE at 25°C</b>	
R	10m $\Omega$ TYP (12m $\Omega$ MAX)
<b>DIELECTRIC STRENGTH</b>	
{WDG}/{CORE}	3kVac/50Hz/3mA/1min*
(*) 1min in qualification / 2sec in mass production	