**RINDZ14R-14**

**ZVS Resonant Inductor 14μH 14Apk 100kHz**

**INDUCTIVE COMPONENTS / RESONANT CHOKES**

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**APPLICATIONS**

- Automotive DCDC onboard HV/LV converters

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**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

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**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

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**SPECIFICATIONS**

**INDUCTANCE at 25°C**

- L(100kHz/1Vac/0.14Adc) 14μH ±10%

**DC RESISTANCE at 25°C**

- R TYP 10mΩ (12mΩ MAX)

**DIELECTRIC STRENGTH**

- {WDG}/{CORE} 3kVac/50Hz/3mA/1min*

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**APPLICATIONS**

- Ultra-compact design
- 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

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**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

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**ELECTRICAL SPECIFICATIONS**

- Inductance at 25°C
  - L(100kHz/1Vac/0.14Adc) 14μH ±10%
- DC Resistance at 25°C
  - R TYP 10mΩ (12mΩ MAX)
- Dielectric Strength
  - {WDG}/{CORE} 3kVac/50Hz/3mA/1min*

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

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**DIMENSIONS**

- [Diagram of dimensions]

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**TYPICAL PERFORMANCES**

- [Graph showing typical performances]

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**ELECTRICAL DIAGRAM**

[Diagram of electrical diagram]