EMI-Protected Ring Terminal Temperature Sensor

Newly developed by Amphenol Thermometrics, Inc., the JRI Range of EMI-Protected Ring Terminal Sensors consists of an NTC chip thermistor mounted in an eyelet tag for surface temperature measurement with a novel RF de-coupling function. These sensors are designed with an integrated bypass capacitor to prevent AC currents, generated from resonant EMI coupled with the wiring harness, from causing nuisance self-heating of the NTC element.

Features

- Suitable for surface temperature measurement
- Integrated EMI noise immunity
- EMI-protected upgrade for existing applications
- Reduced system cost by eliminating shielded cables and replacing twisted-pair wiring
- Eyelets to fit M3-M10 screw sizes
- Various lead lengths

Applications

- EV/HEV bus bars
- Battery covers
- Power distribution
- Thermal management
- Heat sinks
- Panel enclosures

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacitance</th>
<th>R25 and Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>JRI-10NF-103R1</td>
<td>10nF</td>
<td>10KΩ ± 1%</td>
</tr>
<tr>
<td>JRI-100NF-103R2</td>
<td>100nF</td>
<td>10KΩ ± 2%</td>
</tr>
</tbody>
</table>

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