NTC Thermistors
Types RL35/40/45
Uncoated Disc With Radial Leads

Description
Point-matched disc thermistor with bare lead-wires.

Features
- Low cost solid-state sensor
- Resistance tolerances down to ±2%
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Excellent mechanical strength
- Wide operating temperature range: -58°F to 302°F (-50°C to 150°C)
- Suitable for PCB and probe mountings
- Available in a wide range of material systems
- Also available with epoxy coating
- Available on tape and reel to EIA RS-468A for automatic insertion
Types RL35/40/45 Specifications

### Options

- Other resistances and tolerances at other temperatures available.
- Resistance tolerance codes: 
  - G = 2%
  - J = 5%
  - K = 10%
  - L = 15%
  - M = 20%
- Alternative lead lengths, lead materials, insulations
- The - “K” suffix is the same as the “DI” suffix in earlier catalogs

### Specifications Table

<table>
<thead>
<tr>
<th>Type Number</th>
<th>Ro@25°C</th>
<th>Material</th>
<th>Beta</th>
<th>A</th>
<th>B</th>
<th>Δt</th>
<th>ρ</th>
<th>Diameter</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>RL3504-31.2-73-K</td>
<td>50</td>
<td>D7.3</td>
<td>3468</td>
<td>0.370</td>
<td>9.40</td>
<td>130</td>
<td>3.30</td>
<td>7.5</td>
<td>65.0</td>
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<td>RL4006-29.7-85-K</td>
<td>50</td>
<td>D8.5</td>
<td>3772</td>
<td>0.430</td>
<td>10.92</td>
<td>150</td>
<td>3.81</td>
<td>9.0</td>
<td>40.0</td>
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<td>RL4005-116-95-K</td>
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<td>D9.5</td>
<td>3965</td>
<td>0.430</td>
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<td>140</td>
<td>3.56</td>
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<td>RL4004-175-97-K</td>
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<td>D9.7A</td>
<td>3972</td>
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<td>130</td>
<td>3.30</td>
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<td>RL4005-2670-140-K</td>
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<td>140</td>
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<td>RL4005-5267-150-K</td>
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<td>D15.0</td>
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<td>10.92</td>
<td>140</td>
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<td>D5.9</td>
<td>3096</td>
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<td>140</td>
<td>3.56</td>
<td>10.0</td>
<td>60.0</td>
</tr>
</tbody>
</table>

- 24 awg tinned copper for RL 35’s
- 22 awg tinned copper for RL 40’s and RL 45’s

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