

T H E R M O M E T R I C S
A C O M M I T M E N T T O E X C E L L E N C E

NTC Thermistors Type RL14

Uncoated Disc With Radial Leads



Description

Point-matched disc thermistor with bare lead-wires.

Features

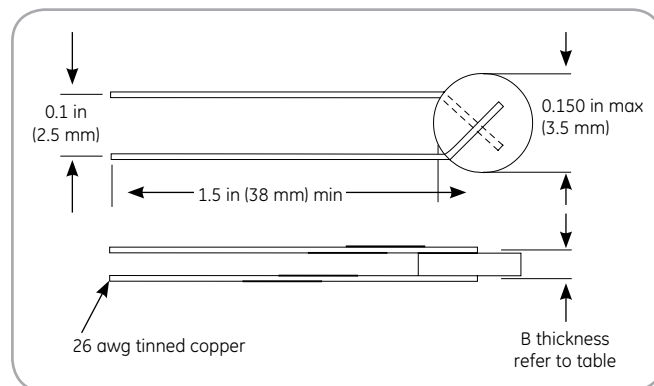
- Low cost solid state sensor
- Resistance tolerances down to $\pm 2\%$
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Excellent mechanical strength
- Wide operating temperature range:
-58°F to 302°F (-50°C to 150°C)
- Suitable for PCB 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

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Type RL14 Specifications

| Type Number | Ro@25°C Ω | Material Systems | Beta 25/85 | B | | δ | τ |
|-------------------|--------------|---------------------|---------------|-------|------|--------|--------|
| | | | | in | mm | (mW/K) | (sec.) |
| RL1404-32.8-59-M | 50 | D5.9 | 3096 | 0.130 | 3.30 | 5.5 | 10 |
| RL1403-125-73-K | 200 | D7.3 | 3468 | 0.120 | 3.05 | 5.5 | 6 |
| RL1403-119-85-K | 200 | D8.5 | 3772 | 0.120 | 3.05 | 5.5 | 6 |
| RL1404-156-73-K | 250 | D7.3 | 3468 | 0.130 | 3.30 | 5.5 | 6 |
| RL1404-187-73-K | 300 | D7.3 | 3468 | 0.130 | 3.30 | 5.5 | 10 |
| RL1404-178-85-K | 300 | D8.5 | 3772 | 0.130 | 3.30 | 5.5 | 10 |
| RL1403-578-95-K | 1K | D9.5 | 3965 | 0.120 | 3.05 | 5.5 | 6 |
| RL1403-873-97-K | 1.5K | D9.7A | 3972 | 0.120 | 3.05 | 5.5 | 6 |
| RL1404-1164-97-K | 2K | D9.7A | 3972 | 0.130 | 3.30 | 5.5 | 10 |
| RL1403-1600-103-K | 2786 | D10.3 | 4073 | 0.120 | 3.05 | 5.5 | 6 |
| RL1404-2010-103-K | 3.5K | D10.3 | 4073 | 0.130 | 3.30 | 5.5 | 10 |
| RL1403-2753-120-K | 5K | D12.0 | 4356 | 0.120 | 3.05 | 5.5 | 6 |
| RL1404-4131-120-K | 7.5K | D12.0 | 4356 | 0.130 | 3.30 | 5.5 | 10 |
| RL1406-5506-120-K | 10K | D12.0 | 4356 | 0.150 | 3.81 | 6.0 | 15 |

| Type Number | Ro@25°C Ω | Material Systems | Beta 25/85 | B | | δ | τ |
|--------------------|--------------|---------------------|---------------|-------|------|--------|--------|
| | | | | in | mm | (mW/K) | (sec.) |
| RL1404-8304-122-K | 15K | D12.2 | 4365 | 0.130 | 3.30 | 5.5 | 10 |
| RL1405-11K-122-K | 20K | D12.2 | 4365 | 0.140 | 3.56 | 6.0 | 10 |
| RL1403-13.3K-140-K | 25K | D14.0 | 4615 | 0.120 | 3.05 | 5.5 | 6 |
| RL1404-16K-140-K | 30K | D14.0 | 4615 | 0.130 | 3.30 | 5.5 | 10 |
| RL1403-26.3K-150-K | 50K | D15.0 | 4728 | 0.120 | 3.05 | 5.5 | 6 |
| RL1404-39.6K-150-K | 70K | D15.0 | 4728 | 0.130 | 3.30 | 5.5 | 10 |
| RL1404-40.6K-138-K | 75K | D13.8 | 4561 | 0.130 | 3.30 | 5.5 | 10 |
| RL1404-44.5K-155-K | 85K | D15.5 | 4783 | 0.130 | 3.30 | 5.5 | 10 |
| RL1405-54.1K-138-K | 100K | D13.8 | 4561 | 0.140 | 3.56 | 6.0 | 10 |
| RL1404-52.3K-155-K | 100K | D15.5 | 4783 | 0.130 | 3.30 | 5.5 | 10 |



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

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