

# GE Sensing & Inspection Technologies

## 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:  $-58^{\circ}\text{F}$  to  $302^{\circ}\text{F}$  ( $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$ )
- 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

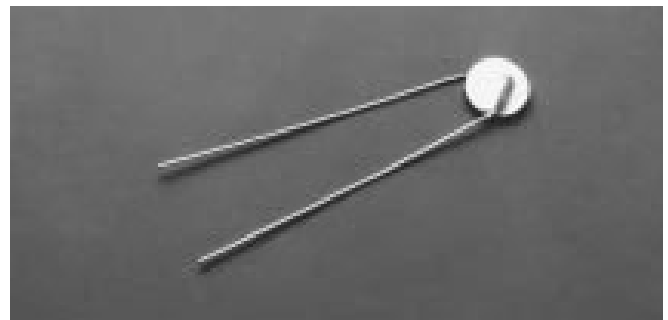
## Description

Point-matched disc thermistor with bare lead-wires.

# NTC Thermistors Types RL35/40/45

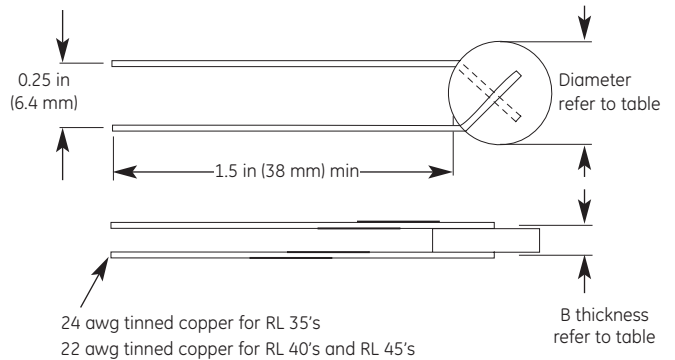
## Uncoated Disc With Radial Leads

NTC Thermistors is a Thermometrics product. Thermometrics has joined other GE high-technology sensing businesses under a new name—GE Sensing & Inspection Technologies.



# Types RL35/40/45 Specifications

| Type Number       | Ro@25°C<br>Ω | Material<br>Systems | Beta<br>25/85 | A     |       | B    |      | δ      | τ      |
|-------------------|--------------|---------------------|---------------|-------|-------|------|------|--------|--------|
|                   |              |                     |               | in    | mm    | in   | mm   | (mW/K) | (sec.) |
| RL3504-31.2-73-K  | 50           | D7.3                | 3468          | 0.370 | 9.40  | .130 | 3.30 | 7.5    | 45     |
| RL4006-29.7-85-K  | 50           | D8.5                | 3772          | 0.430 | 10.92 | .150 | 3.81 | 9.0    | 40     |
| RL4005-116-95-K   | 200          | D9.5                | 3965          | 0.430 | 10.92 | .140 | 3.56 | 9.0    | 40     |
| RL4004-175-97-K   | 300          | D9.7A               | 3972          | 0.430 | 10.92 | .130 | 3.30 | 9.0    | 40     |
| RL4005-2670-140-K | 5K           | D14.0               | 4615          | 0.430 | 10.92 | .140 | 3.56 | 9.0    | 40     |
| RL4005-5267-150-K | 10K          | D15.0               | 4728          | 0.430 | 10.92 | .140 | 3.56 | 9.0    | 40     |
| RL4504-3.28-59-K* | 5            | D5.9                | 3096          | 0.480 | 12.19 | .140 | 3.56 | 10.0   | 60     |



## 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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