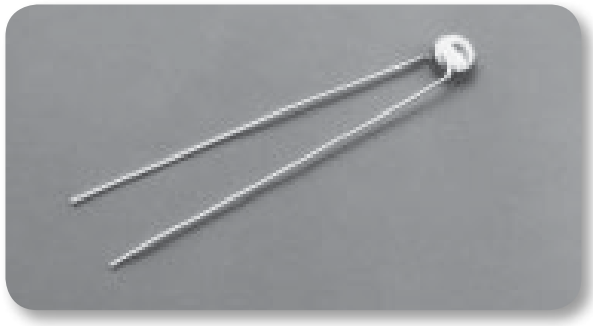
THERMOMETRICS
A COMMITMENT TO EXCELLENCE

NTC Thermistors Type RL20

Uncoated Disc With Radial Leads



Description

Point-matched disc thermistor with bare lead-wires.

Features

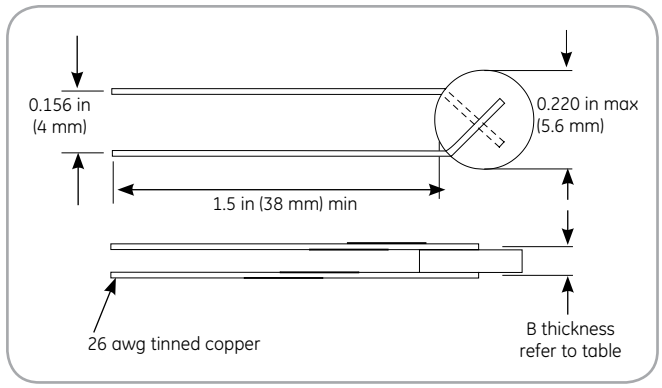
- Low cost solid state sensor
- Resistance tolerances down to ±2%
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Excellent mechanical strength
- Wide operating temperature range: -58°F to 302°F (-50°C to 150°C)
- Suitable for PCB and probe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

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Type RL20 Specifications

Type Number	Ro@25°C Ω	Material Systems	Beta 25/85	B in	B mm	δ (mW/K)	τ (sec.)
RL2004-16.4-59-M	25	D5.9	3096	.130	3.30	6.5	20
RL2007-32.8-59-M	50	D5.9	3096	.160	4.06	6.5	30
RL2003-62.4-73-K	100	D7.3	3468	.120	3.05	6.5	20
RL2004-93.6-73-K	150	D7.3	3468	.130	3.30	6.5	20
RL2004-89.1-85-K	150	D8.5	3772	.130	3.30	6.5	20
RL2006-125-73-K	200	D7.3	3468	.150	3.81	6.5	20
RL2006-119-85-K	200	D8.5	3772	.150	3.81	6.5	20
RL2007-156-73-K	250	D7.3	3468	.160	4.06	6.5	30
RL2008-187-73-K	300	D7.3	3468	.170	4.32	6.5	30
RL2008-178-85-K	300	D8.5	3772	.170	4.32	6.5	30
RL2003-289-95-K	500	D9.5	3965	.120	3.05	6.5	20
RL2005-434-95-K	750	D9.5	3965	.140	3.56	6.5	20
RL2006-578-95-K	1K	D9.5	3965	.150	3.81	6.5	20
RL2004-582-97-K	1K	D9.7A	3972	.130	3.30	6.5	20
RL2006-873-97-K	1.5K	D9.7A	3972	.150	3.81	6.5	20
RL2007-1164-97-K	2K	D9.7A	3972	.160	4.06	6.5	30
RL2005-1148-103-K	2K	D10.3	4073	.140	3.56	6.5	20
RL2006-1600-103-K	2786	D10.3	4073	.150	3.81	6.5	20
RL2008-2010-103-K	3.5K	D10.3	4073	.170	4.32	6.5	30
RL2005-2203-120-K	4K	D12.0	4356	.140	3.56	6.5	20
RL2006-2753-120-K	5K	D12.0	4356	.150	3.81	6.5	20

Type Number	Ro@25°C Ω	Material Systems	Beta 25/85	B in	B mm	δ (mW/K)	τ (sec.)
RL2008-4131-120-K	7.5K	D12.0	4356	.170	4.32	6.5	30
RL2004-4429-122-K	8K	D12.2	4365	.130	3.30	6.5	20
RL2012-5506-120-K	10K	D12.0	4356	.210	5.33	7.2	50
RL2005-5536-122-K	10K	D12.2	4365	.140	3.56	6.5	20
RL2007-8304-122-K	15K	D12.2	4365	.160	4.06	6.5	30
RL2010-11K-122-K	20K	D12.2	4365	.190	4.83	7.0	35
RL2005-10.7K-140-K	20K	D14.0	4615	.140	3.56	6.5	20
RL2003-13.2K-150-K	25K	D15.0	4728	.120	3.05	6.5	20
RL2006-13.3K-140-K	25K	D14.0	4615	.150	3.81	6.5	20
RL2007-16K-140-K	30K	D14.0	4615	.160	4.06	6.5	30
RL2004-18.4-150-K	35K	D15.0	4720	.130	3.30	6.5	20
RL2004-21.6K-138-K	40K	D13.8	4561	.130	3.30	6.5	20
RL2005-27K-138-K	50K	D13.8	4561	.140	3.56	6.5	20
RL2006-26.3K-150-K	50K	D15.0	4720	.150	3.81	6.5	20
RL2004-26K-155-K	50K	D15.5	4783	.130	3.30	6.5	20
RL2008-39.6K-150-K	70K	D15.0	4220	.170	4.32	6.5	30
RL2007-40.6K-138-K	75K	D13.8	4561	.160	4.06	6.5	30
RL2007-44.5K-155-K	85K	D15.5	4783	.160	4.06	6.5	30
RL2010-54.1K-138-K	100K	D13.8	4561	.190	4.83	7.0	35
RL2008-52.3K-155-K	100K	D15.5	4783	.170	4.32	6.5	30



Options

- Other resistances and tolerances at other temperatures available.
- Resistances 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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