

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 RL20

Uncoated Disc With Radial Leads



Description

Point-matched disc thermistor with bare lead-wires.

Features

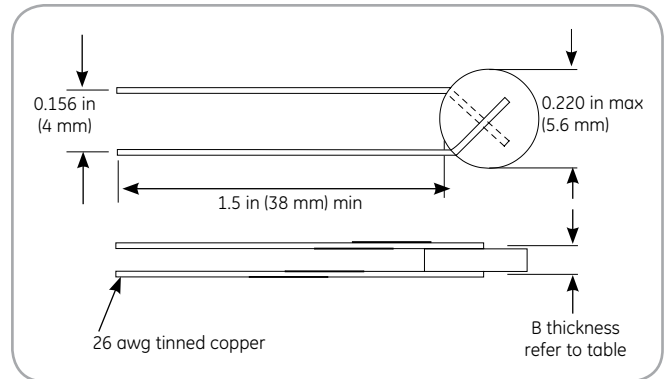
- Low cost solid state sensor
- Resistance tolerances down to $\pm 2\%$
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Excellent mechanical strength
- Wide operating temperature range: -58°F to 302°F (-50°C to 150°C)
- Suitable for PCB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

Amphenol
Advanced Sensors

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.

Amphenol
Advanced Sensors

www.amphenol-sensors.com

© 2014 Amphenol Corporation. All Rights Reserved. Specifications are subject to change without notice. Other company names and product names used in this document are the registered trademarks or trademarks of their respective owners.

AAS-920-413A-04/2014