



# NTC THERMISTORS: TYPE RL10

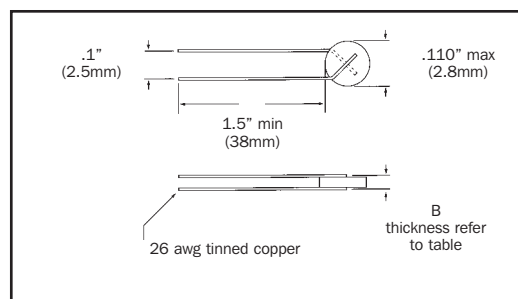
## UNCOATED DISC WITH RADIAL LEADS

### DESCRIPTION:

Point-matched disc thermistor with bare lead-wires.

### FEATURES:

- Low cost solid state sensor
- Standard 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:  $-50^{\circ}\text{C}$  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 EIA RS-468A for automatic insertion



TYPE NUMBER	Ro@25C (Ohms)	Material System	Beta 25/85	B		$\delta$ (mW/K)	$\tau$ (sec.)
				(in.)	(mm.)		
RL1003-49.2-59-M	75	D5.9	3096	.110	2.79	2.5	9
RL1004-65.6-59-M	100	D5.9	3096	.120	3.05	2.5	9
RL1005-82-59-M	125	D5.9	3096	.130	3.30	2.5	10
RL1006-98.4-59-M	150	D5.9	3096	.140	3.56	2.7	10
RL1003-238-85-K	400	D8.5	3772	.110	2.79	2.5	9
RL1003-312-73-K	500	D7.3	3468	.110	2.79	2.5	9
RL1004-297-85-K	500	D8.5	3772	.120	3.05	2.5	9
RL1005-468-73-K	750	D7.3	3468	.130	3.30	2.5	10
RL1006-475-85-K	800	D8.5	3772	.140	3.56	2.7	10
RL1007-624-73-K	1000	D7.3	3468	.150	3.81	2.8	10
RL1007-594-85-K	1000	D8.5	3772	.150	3.81	2.8	10
RL1003-1157-95-K	2K	D9.5	3965	.110	2.79	2.5	9
RL1004-1446-95-K	2.5K	D9.5	3965	.120	3.05	2.5	9
RL1005-1735-95-K	3K	D9.5	3965	.130	3.30	2.5	10
RL1003-1746-97-K	3K	D9.5	3965	.110	2.79	2.5	9
RL1007-2313-95-K	4K	D9.5	3965	.150	3.81	2.8	10
RL1004-2910-97-K	5K	D9.7A	3972	.120	3.05	2.5	9
RL1003-2871-103-K	5K	D10.3	4073	.110	2.79	2.5	9
RL1004-4019-103-K	7K	D10.3	4073	.120	3.05	2.5	9
RL1007-4364-97-K	7.5K	D9.7A	3972	.150	3.81	2.8	10
RL1009-5820-97-K	10K	D9.7A	3972	.170	4.32	3.0	10
RL1005-5744-103-K	10K	D10.3	4073	.130	3.30	2.5	10
RL1007-6890-103-K	12K	D10.3	4073	.150	3.81	2.8	10



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UNCOATED DISC WITH RADIAL LEADS

TYPE NUMBER	Ro@25C (Ohms)	Material System	Beta 25/85	B		$\delta$ (mW/K)	$\tau$ (sec.)
				(in.)	(mm.)		
RL1004-8262-120-K	15K	D12.0	4356	.120	3.05	2.5	9
RL1006-11K-120-K	20K	D12.0	4356	.140	3.56	2.7	10
RL1007-13.8K-120-K	25K	D12.0	4356	.150	3.81	2.8	10
RL1003-13.8K-122-K	25K	D12.2	4365	.110	2.79	2.5	9
RL1005-22.1K-122-K	40K	D12.2	4365	.130	3.30	2.5	10
RL1006-26.6K-122-K	50K	D12.2	4365	.140	3.56	2.7	10
RL1003-26.7K-140-K	50K	D14.0	4615	.110	2.79	2.5	9
RL1007-33.2K-122-K	60K	D12.2	4365	.150	3.81	2.8	10
RL1004-34.7K-140-K	65K	D14.0	4615	.120	3.05	2.5	9
RL1005-42.7K-140-K	80K	D14.0	4615	.130	3.30	2.5	10
RL1006-53.4K-140-K	100K	D14.0	4615	.140	3.56	2.7	10
RL1003-52.7K-150-K	100K	D15.0	4228	.110	2.79	2.5	9
RL1004-81.1K-138-K	150K	D13.8	4561	.120	3.05	2.5	9
RL1003-78.4K-155-K	150K	D15.5	4793	.110	2.79	2.5	9
RL1005-79K-150-K	150K	D15.0	4228	.130	3.30	2.5	10
RL1005-108.2K-138-K	200K	D13.8	4561	.130	3.30	2.5	10
RL1006-105.3K-150-K	200K	D15.0	4228	.140	3.56	2.7	10
RL1004-104.7K-155-K	200K	D15.5	4793	.120	3.05	2.5	9
RL1005-130.9K-155-K	250K	D15.5	4793	.130	3.30	2.5	10
RL1006-135.2K-138-K	250K	D13.8	4561	.140	3.56	2.7	10
RL1007-162.3K-138-K	300K	D13.8	4561	.150	3.81	2.8	10
RL1006-157K-155-K	300K	D15.5	4793	.140	3.56	2.7	10
RL1007-183K-155-K	350K	D15.5	4793	.150	3.81	2.8	10

## OPTIONS:

- Epoxy coated, add "C" suffix to Part Number
- Tape and reel, add "R" suffix to Part Number
- Other resistances in the range 75 $\Omega$  to 350k $\Omega$  available
- Other resistance tolerances, tolerances at other temperatures
- Tolerance Codes: G = 2%  
J = 5%  
K = 10%  
L = 15%  
M = 20%
- Alternative lead lengths, lead materials, insulations



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