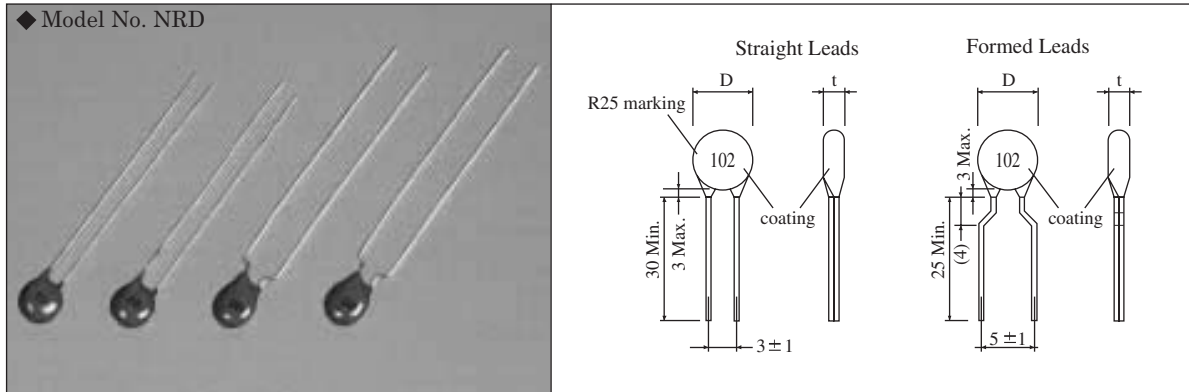


Model No. NRD is epoxy coated radial lead thermistor.

■ Features

- High reliability and stability for thermal and electrical stress.
- Wide applications for temperature detection and compensation.

Operating Temp. Range:  $-20^{\circ}\text{C} \sim +100^{\circ}\text{C}$



# 1 : in still air # 2 : at 25 °C

Model No.	Resistance Value R25°C (Ω)	B-Constant 25/85(K)	Dimensions		# 1 Dissipation Constant (mW/°C)	# 2 Rated Power (mW)	# 1 Thermal Time Constant (Sec.)
			D(mm)	t(mm)			

◆ Model No. NRD3

NRD3202L360Y	2 k	3600	4.5 Max.	6.0 Max.	5	375	15 Approx.
NRD3502L390Y	5 k	3900					
NRD3103L400Y	10 k	4000					
NRD3153L400Y	15 k	4000					
NRD3303L420Y	30 k	4200					
NRD3503L420Y	50 k	4200					
NRD3104L420Y	100 k	4200					
NRD3303L420Y	300 k	4200					

◆ Model No. NRD5

NRD5900L280K	90	2800	6.7 Max.	6.0 Max.	7	520	20 Approx.
NRD5101L280K	100	2800					
NRD5151L280K	150	2800					
NRD5201L325Y	200	3250					
NRD5301L325Y	300	3250					
NRD5501L370Y	500	3700					
NRD5102L400Y	1 k	4000					
NRD5202L400Y	2 k	4000					
NRD5302L400Y	3 k	4000					
NRD5502L400Y	5 k	4000					
NRD5103L420Y	10 k	4200					
NRD5203L420Y	20 k	4200					
NRD5503L420Y	50 k	4200					
NRD5104L420Y	100 k	4200					

◆ Model No. NRD8

NRD8080L300K	8	3000	9.5 Max.	7.0 Max.	8	600	25 Approx.
NRD8100L300K	10	3000					
NRD8130L320K	13	3200					
NRD8200L320K	20	3200					
NRD8400L325K	40	3250					
NRD8500L325K	50	3250					



# Disk Thermistors with Leads

◆ Model No. NRD R-T table

Model No.	Parts number						
NRD3							
NRD5		NRD5101L280Y	NRD5501L370Y	NRD5102L400Y	NRD5502L400Y	NRD5103L420Y	NRD5503L420Y
NRD8	NRD8100L300K						
R25	10 Ω	100 Ω	500 Ω	1k Ω	5k Ω	10k Ω	50k Ω
B25/85(K)	3000	2800	3700	4000	4000	4200	4200
T(°C)	R <sub>T</sub> (Ω)	R <sub>T</sub> (Ω)	R <sub>T</sub> (Ω)	R <sub>T</sub> (kΩ)	R <sub>T</sub> (kΩ)	R <sub>T</sub> (kΩ)	R <sub>T</sub> (kΩ)
-20	59.77	468.6	4,128	9.539	50.29	107.7	525.9
-15	47.60	386.5	3,165	7.179	37.63	79.96	392.7
-10	38.22	320.6	2,448	5.454	28.42	59.92	295.7
-5	30.92	267.4	1,909	4.181	21.66	45.31	224.5
0	25.20	224.3	1,500	3.232	16.65	34.56	171.8
5	20.69	189.1	1,188	2.519	12.90	26.57	132.4
10	17.09	160.1	947.7	1.978	10.07	20.59	102.8
15	14.21	136.3	760.9	1.565	7.921	16.07	80.33
20	11.88	116.5	614.9	1.247	6.272	12.63	63.18
25	10.00	100.0	500.0	1.000	5.000	10.00	50.00
30	8.456	86.17	408.9	0.8070	4.010	7.964	39.79
35	7.188	74.54	336.2	0.6551	3.236	6.381	31.85
40	6.139	64.71	278.0	0.5349	2.626	5.143	25.63
45	5.268	56.38	231.0	0.4391	2.143	4.168	20.73
50	4.563	49.06	193.6	0.3642	1.764	3.412	16.96
55	3.955	43.02	162.6	0.3026	1.456	2.798	13.88
60	3.442	37.84	137.2	0.2527	1.208	2.307	11.42
65	3.008	33.40	116.3	0.2120	1.007	1.911	9.439
70	2.638	29.56	99.01	0.1787	0.8438	1.591	7.835
75	2.322	26.25	84.62	0.1514	0.7098	1.330	6.531
80	2.052	23.36	72.60	0.1287	0.5997	1.117	5.467
85	1.818	20.86	62.52	0.1099	0.5087	0.9419	4.594
90	1.617	18.67	54.03	0.0942	0.4332	0.7974	3.875
95	1.442	16.75	46.86	0.0810	0.3703	0.6776	3.281
100	1.290	15.06	40.77	0.0700	0.3177	0.5779	2.788