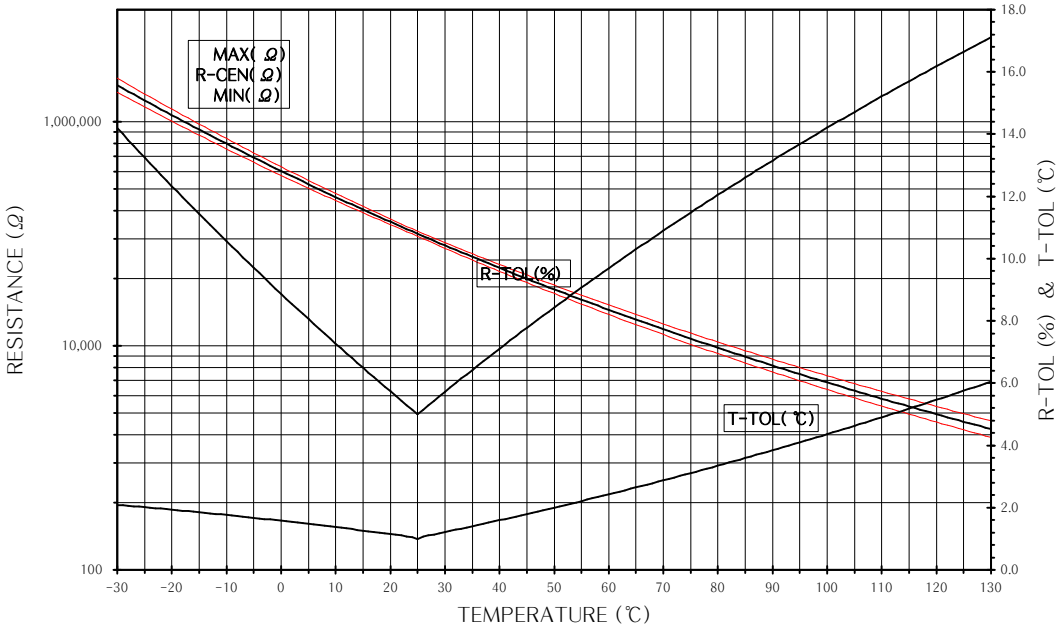
R-T Characteristics & Tolerance

Part Name	Thermistor
Customer	N/A
Part No.	DSC 104J3(D70K)
Usage / Remark	N/A
Recorder	0
Center-Temp / R-Value	25.0 ℃/100000.0 Ω
R-Tolerance of Center-Temp	5.00%
Test Conditon	Un Loaded
β -Range	(25/85) ℃
β -Value	4500K
β -Tolerance	3.00%

DSC Electronics R&D Section



L : 0.0 ℃=363,028.60Ω
M : 25.0 ℃=100,000.00Ω
H : 85.0 ℃=7,977.80Ω

TEMP. (℃)	RESISTANCE (Ω) MIN	CENTER	MAX	RESIST.-TOL. (%) MAX	MIN	TEMP.-TOL. (℃) MAX	MIN
-30	1834498.2	2116218.5	2435099.0	15.07	13.31	2.21	1.96
-29	1726279.8	1987640.0	2282848.9	14.85	13.15	2.20	1.94
-28	1624869.1	1867375.8	2140710.7	14.64	12.99	2.18	1.93
-27	1529815.7	1754861.3	2007980.0	14.42	12.82	2.16	1.92
-26	1440700.3	1649571.6	1884003.1	14.21	12.66	2.14	1.91
-25	1357132.2	1551018.7	1768173.4	14.00	12.50	2.13	1.90
-24	1278747.4	1458749.1	1659928.2	13.79	12.34	2.11	1.89
-23	1205207.1	1372340.7	1558745.0	13.58	12.18	2.09	1.87
-22	1136195.2	1291401.2	1464139.0	13.38	12.02	2.07	1.86
-21	1071417.3	1215565.5	1375659.8	13.17	11.86	2.05	1.85
-20	1010598.8	1144494.2	1292889.2	12.97	11.70	2.03	1.83
-19	953484.0	1077871.1	1215438.9	12.76	11.54	2.01	1.82
-18	899834.3	1015402.1	1142948.1	12.56	11.38	1.99	1.81
-17	849426.9	956813.4	1075081.4	12.36	11.22	1.97	1.79
-16	802054.5	901850.0	1011527.4	12.16	11.07	1.96	1.78
-15	757523.3	850274.5	951996.3	11.96	10.91	1.94	1.77
-14	715652.6	801865.8	896218.8	11.77	10.75	1.92	1.75
-13	676273.7	756417.9	843944.6	11.57	10.60	1.90	1.74
-12	639229.3	713738.7	794940.6	11.38	10.44	1.88	1.72
-11	604372.2	673649.3	748990.3	11.18	10.28	1.86	1.71
-10	571565.2	635983.0	705891.9	10.99	10.13	1.84	1.69
-9	540680.0	600584.2	665457.7	10.80	9.97	1.81	1.68
-8	511596.9	567308.0	627513.0	10.61	9.82	1.79	1.66
-7	484204.0	536019.0	591895.2	10.42	9.67	1.77	1.64

TEMP.	RESISTANCE (Ω)			RESIST.-TOL. (%)		TEMP.-TOL. (℃)	
(℃)	MIN	CENTER	MAX	MAX	MIN	MAX	MIN
-6	458396.5	**506591.0**	558452.8	10.24	9.51	1.75	1.63
-5	434076.8	**478906.2**	527044.5	10.05	9.36	1.73	1.61
-4	411153.3	**452854.8**	497538.8	9.87	9.21	1.71	1.60
-3	389540.5	**428334.0**	469813.3	9.68	9.06	1.69	1.58
-2	369158.5	**405248.1**	443753.6	9.50	8.91	1.67	1.56
-1	349932.5	**383507.5**	419253.2	9.32	8.75	1.65	1.55
0	331792.2	**363028.6**	396212.7	9.14	8.60	1.62	1.53
1	314672.3	**343733.3**	374539.4	8.96	8.45	1.60	1.51
2	298511.4	**325548.6**	354147.0	8.78	8.31	1.58	1.49
3	283251.9	**308406.1**	334954.6	8.61	8.16	1.56	1.48
4	268840.1	**292242.1**	316886.9	8.43	8.01	1.54	1.46
5	255225.5	**276996.8**	299873.6	8.26	7.86	1.51	1.44
6	242360.9	**262614.4**	283849.0	8.09	7.71	1.49	1.42
7	230202.0	**249042.7**	268751.7	7.91	7.57	1.47	1.40
8	218707.3	**236232.7**	254524.4	7.74	7.42	1.44	1.38
9	207837.9	**224138.6**	241113.4	7.57	7.27	1.42	1.36
10	197557.2	**212717.6**	228468.8	7.40	7.13	1.40	1.35
11	187831.1	**201929.5**	216543.5	7.24	6.98	1.37	1.33
12	178627.3	**191736.8**	205293.9	7.07	6.84	1.35	1.31
13	169915.8	**182104.2**	194678.8	6.91	6.69	1.33	1.29
14	161668.3	**172998.6**	184660.1	6.74	6.55	1.30	1.27
15	153858.1	**164389.1**	175201.7	6.58	6.41	1.28	1.25
16	146460.3	**156246.6**	166270.2	6.42	6.26	1.25	1.23
17	139451.5	**148544.1**	157833.9	6.25	6.12	1.23	1.20
18	132809.7	**141255.8**	149863.5	6.09	5.98	1.21	1.18
19	126514.1	**134357.9**	142331.3	5.93	5.84	1.18	1.16
20	120545.3	**127827.8**	135211.4	5.78	5.70	1.16	1.14
21	114885.0	**121644.5**	128479.7	5.62	5.56	1.13	1.12
22	109516.0	**115788.1**	122113.4	5.46	5.42	1.11	1.10
23	104422.2	**110240.1**	116091.1	5.31	5.28	1.08	1.08
24	99588.3	**104982.8**	110392.9	5.15	5.14	1.06	1.05
25	95000.0	**100000.0**	105000.0	5.00	5.00	0.99	0.99
26	90381.0	**95276.1**	100185.3	5.15	5.14	1.07	1.07
27	86007.4	**90796.7**	95613.1	5.30	5.27	1.11	1.10
28	81865.1	**86548.1**	91270.2	5.46	5.41	1.14	1.13
29	77940.9	**82517.4**	87144.2	5.61	5.55	1.18	1.17
30	74222.5	**78692.6**	83223.4	5.76	5.68	1.22	1.21
31	70698.3	**75062.4**	79496.7	5.91	5.81	1.26	1.24
32	67357.2	**71616.0**	75953.7	6.06	5.95	1.30	1.28
33	64189.1	**68343.4**	72584.7	6.21	6.08	1.34	1.31
34	61184.2	**65235.1**	69380.3	6.35	6.21	1.38	1.35
35	58333.5	**62282.2**	66331.9	6.50	6.34	1.42	1.38
36	55628.5	**59476.3**	63431.2	6.65	6.47	1.46	1.42
37	53061.1	**56809.4**	60670.4	6.80	6.60	1.50	1.46
38	50623.7	**54274.1**	58042.2	6.94	6.73	1.54	1.49
39	48309.3	**51863.4**	55539.8	7.09	6.85	1.58	1.53
40	46111.0	**49570.6**	53156.6	7.23	6.98	1.62	1.57
41	44022.7	**47389.6**	50886.4	7.38	7.10	1.67	1.60
42	42038.4	**45314.3**	48723.4	7.52	7.23	1.71	1.64
43	40152.3	**43339.2**	46662.0	7.67	7.35	1.75	1.68
44	38359.4	**41459.1**	44697.2	7.81	7.48	1.79	1.72
45	36654.6	**39669.0**	42824.0	7.95	7.60	1.84	1.75
46	35033.2	**37964.3**	41037.7	8.10	7.72	1.88	1.79
47	33490.8	**36340.5**	39334.0	8.24	7.84	1.92	1.83
48	32023.2	**34793.4**	37708.7	8.38	7.96	1.97	1.87
49	30626.5	**33319.1**	36157.8	8.52	8.08	2.01	1.91
50	29297.0	**31913.9**	34677.7	8.66	8.20	2.05	1.95
51	28031.1	**30574.3**	33264.8	8.80	8.32	2.10	1.98
52	26825.6	**29296.9**	31915.9	8.94	8.44	2.14	2.02
53	25677.4	**28078.6**	30627.7	9.08	8.55	2.19	2.06
54	24583.4	**26916.4**	29397.2	9.22	8.67	2.23	2.10
55	23540.9	**25807.5**	28221.7	9.35	8.78	2.28	2.14
56	22547.2	**24749.3**	27098.5	9.49	8.90	2.33	2.18
57	21600.0	**23739.2**	26025.0	9.63	9.01	2.37	2.22
58	20696.7	**22774.8**	24998.9	9.77	9.12	2.42	2.26
59	19835.3	**21853.9**	24017.7	9.90	9.24	2.47	2.30
60	19013.5	**20974.3**	23079.5	10.04	9.35	2.51	2.34
61	18229.4	**20134.1**	22182.1	10.17	9.46	2.56	2.38
62	17481.2	**19331.2**	21323.6	10.31	9.57	2.61	2.42
63	16767.0	**18564.0**	20502.2	10.44	9.68	2.66	2.46
64	16085.1	**17830.6**	19716.0	10.57	9.79	2.70	2.50
65	15434.0	**17129.4**	18963.5	10.71	9.90	2.75	2.54

TEMP.	RESISTANCE (Ω)			RESIST.-TOL. (%)		TEMP.-TOL. (℃)	
(℃)	MIN	CENTER	MAX	MAX	MIN	MAX	MIN
66	14812.1	16458.9	18243.1	10.84	10.01	2.80	2.59
67	14218.0	15817.6	17553.2	10.97	10.11	2.85	2.63
68	13650.4	15204.2	16892.5	11.10	10.22	2.90	2.67
69	13107.9	14617.2	16259.5	11.24	10.33	2.95	2.71
70	12589.4	14055.5	15653.1	11.37	10.43	3.00	2.75
71	12093.7	13517.9	15072.0	11.50	10.54	3.05	2.80
72	11619.7	13003.2	14515.0	11.63	10.64	3.10	2.84
73	11166.4	12510.4	13981.1	11.76	10.74	3.15	2.88
74	10732.7	12038.4	13469.2	11.89	10.85	3.20	2.92
75	10317.8	11586.3	12978.2	12.01	10.95	3.25	2.97
76	9920.7	11153.2	12507.3	12.14	11.05	3.31	3.01
77	9540.7	10738.1	12055.6	12.27	11.15	3.36	3.05
78	9176.9	10340.3	11622.2	12.40	11.25	3.41	3.10
79	8828.5	9959.0	11206.2	12.52	11.35	3.46	3.14
80	8494.9	9593.5	10807.0	12.65	11.45	3.52	3.18
81	8175.3	9242.9	10423.7	12.78	11.55	3.57	3.23
82	7869.2	8906.7	10055.7	12.90	11.65	3.62	3.27
83	7575.9	8584.2	9702.3	13.03	11.75	3.68	3.31
84	7294.7	8274.7	9362.9	13.15	11.84	3.73	3.36
85	7025.3	7977.8	9036.8	13.27	11.94	3.78	3.40
86	6766.9	7692.8	8723.5	13.40	12.04	3.84	3.45
87	6519.2	7419.2	8422.4	13.52	12.13	3.89	3.49
88	6281.6	7156.6	8133.1	13.64	12.23	3.95	3.54
89	6053.7	6904.4	7854.9	13.77	12.32	4.00	3.58
90	5835.0	6662.1	7587.4	13.89	12.41	4.06	3.63
91	5625.2	6429.4	7330.2	14.01	12.51	4.12	3.67
92	5423.9	6205.9	7082.8	14.13	12.60	4.17	3.72
93	5230.6	5991.0	6844.9	14.25	12.69	4.23	3.77
94	5045.0	5784.6	6616.0	14.37	12.78	4.28	3.81
95	4866.8	5586.1	6395.7	14.49	12.88	4.34	3.86
96	4695.7	5395.3	6183.7	14.61	12.97	4.40	3.90
97	4531.3	5211.8	5979.6	14.73	13.06	4.46	3.95
98	4373.4	5035.4	5783.1	14.85	13.15	4.52	4.00
99	4221.7	4865.7	5594.0	14.97	13.24	4.57	4.04
100	4075.8	4702.4	5411.8	15.09	13.33	4.63	4.09
101	3935.7	4545.3	5236.4	15.20	13.41	4.69	4.14
102	3800.9	4394.2	5067.3	15.32	13.50	4.75	4.19
103	3671.3	4248.7	4904.5	15.44	13.59	4.81	4.23
104	3546.7	4108.6	4747.6	15.55	13.68	4.87	4.28
105	3426.9	3973.7	4596.4	15.67	13.76	4.93	4.33
106	3311.6	3843.9	4450.6	15.78	13.85	4.99	4.38
107	3200.7	3718.8	4310.1	15.90	13.93	5.05	4.43
108	3093.9	3598.4	4174.6	16.01	14.02	5.11	4.47
109	2991.2	3482.3	4043.9	16.13	14.10	5.17	4.52
110	2892.3	3370.5	3917.9	16.24	14.19	5.23	4.57
111	2797.1	3262.7	3796.3	16.35	14.27	5.29	4.62
112	2705.5	3158.9	3679.1	16.47	14.35	5.36	4.67
113	2617.2	3058.8	3565.9	16.58	14.44	5.42	4.72
114	2532.2	2962.2	3456.7	16.69	14.52	5.48	4.77
115	2450.3	2869.2	3351.3	16.80	14.60	5.54	4.82
116	2371.3	2779.4	3249.5	16.92	14.68	5.61	4.87
117	2295.3	2692.8	3151.3	17.03	14.76	5.67	4.92
118	2222.0	2609.3	3056.5	17.14	14.84	5.73	4.97
119	2151.4	2528.7	2964.9	17.25	14.92	5.80	5.02
120	2083.3	2451.0	2876.4	17.36	15.00	5.86	5.07
121	2017.6	2375.9	2790.9	17.47	15.08	5.93	5.12
122	1954.3	2303.5	2708.4	17.58	15.16	5.99	5.17
123	1893.2	2233.6	2628.6	17.68	15.24	6.06	5.22
124	1834.3	2166.1	2551.5	17.79	15.32	6.12	5.27
125	1777.4	2100.9	2476.9	17.90	15.40	6.19	5.32
126	1722.6	2037.9	2404.9	18.01	15.47	6.25	5.37
127	1669.7	1977.1	2335.3	18.12	15.55	6.32	5.43
128	1618.6	1918.3	2267.9	18.22	15.63	6.39	5.48
129	1569.3	1861.6	2202.8	18.33	15.70	6.45	5.53
130	1521.7	1806.7	2139.8	18.44	15.78	6.52	5.58