



NTC Characteristic Values

Parameter	Symbol	Conditions				Value			Unit
		V_{GE} [V]	V_{CE} [V]	I_C [A]	T_j [°C]	Min	Typ	Max	
Rated resistance	R				25		10		k Ω
Deviation of R_{100}	$\Delta_{R/R}$	$R_{100} = 853 \Omega$			100	-5		5	%
Power dissipation	P				25		5		mW
Power dissipation constant					25		1,3		mW/K
B-value	$B_{(25/50)}$	Tol. $\pm 1\%$			25		3614		K
B-value	$B_{(25/100)}$	Tol. $\pm 1\%$			25		3650		K
Vincotech NTC Reference								T	

Temp. [°C]	R Nom [Ω]	R Min [Ω]	R Max [Ω]
-40	259900,0	246100,0	274 300,0
-35	191400,0	181800,0	201 300,0
-30	142500,0	135800,0	149 400,0
-25	107200,0	102500,0	112 100,0
-20	81500,0	78150,0	84 960,0
-15	62530,0	60130,0	65 000,0
-10	48400,0	46670,0	50 180,0
-5	37790,0	36530,0	39 070,0
0	29740,0	28820,0	30 670,0
5	23580,0	22910,0	24 270,0
10	18840,0	18340,0	19 340,0
15	15150,0	14790,0	15 520,0
20	12270,0	12000,0	12 540,0
25	10000,0	9800,0	10 200,0
30	8199,0	8019,0	8 380,0
35	6761,0	6600,0	6 924,0
40	5607,0	5462,0	5 753,0
45	4674,0	4546,0	4 805,0
50	3917,0	3803,0	4 033,0
55	3299,0	3197,0	3 403,0
60	2791,0	2700,0	2 884,0
65	2373,0	2292,0	2 455,0
70	2026,0	1954,0	2 100,0
75	1737,0	1673,0	1 803,0
80	1495,0	1438,0	1 555,0
85	1293,0	1241,0	1 346,0
90	1122,0	1075,0	1 169,0
95	976,9	935,3	1 020,0
100	853,9	816,4	892,6
105	748,9	715,2	784,0
110	659,1	628,6	690,8
115	582,0	554,4	610,7
120	515,5	490,5	541,6
125	458,1	435,3	481,8

figure 1. Thermistor
Typical NTC characteristic

