



**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		22		kΩ
Deviation of $R_{100}$	$\Delta_{R/R}$	$R_{100} = 1484 \Omega$			100	-5		5	%
Power dissipation	$P$				25		5		mW
Power dissipation constant					25		1,5		mW/K
B-value	$B_{(25/50)}$	Tol. $\pm 1 \%$			25		3962		K
B-value	$B_{(25/100)}$	Tol. $\pm 1 \%$			25		4000		K
Vincotech NTC Reference								I	

Temp. [°C]	R Nom [Ω]	R Min [Ω]	R Max [Ω]
-40	793100,0	748700,0	839700,0
-35	565900,0	536100,0	597000,0
-30	408800,0	388700,0	429900,0
-25	298900,0	285100,0	313200,0
-20	220900,0	211400,0	230800,0
-15	165000,0	158400,0	171800,0
-10	124500,0	119800,0	129300,0
-5	94800,0	91520,0	98160,0
0	72840,0	70520,0	75220,0
5	56450,0	54790,0	58140,0
10	44100,0	42920,0	45310,0
15	34730,0	33870,0	35590,0
20	27540,0	26930,0	28160,0
25	22000,0	21560,0	22440,0
30	17690,0	17300,0	18090,0
35	14320,0	13970,0	14670,0
40	11660,0	11350,0	11970,0
45	9552,0	9282,0	9826,0
50	7869,0	7632,0	8111,0
55	6519,0	6311,0	6731,0
60	5428,0	5245,0	5615,0
65	4543,0	4382,0	4708,0
70	3821,0	3679,0	3966,0
75	3228,0	3104,0	3357,0
80	2740,0	2630,0	2854,0
85	2336,0	2239,0	2437,0
90	2000,0	1913,0	2090,0
95	1719,0	1642,0	1799,0
100	1484,0	1415,0	1555,0
105	1285,0	1224,0	1349,0
110	1118,0	1063,0	1174,0
115	975,3	926,5	1026,0
120	854,1	810,3	899,9
125	750,5	711,1	791,7

**figure 1. Thermistor**  
**Typical NTC characteristic as a function of temperature**

