



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		k Ω
Deviation of R_{100}	$\Delta_{R/R}$	$R_{100} = 1486 \Omega$			100	-12		+14	%
Power dissipation	P				25		200		mW
Power dissipation constant					25		2		mW/K
B-value	$B_{(25/50)}$	Tol. $\pm 3\%$			25		3950		K
B-value	$B_{(25/100)}$	Tol. $\pm 3\%$			25		3998		K
Vincotech NTC Reference								B	

Temp. [°C]	R Nom [Ω]	R Min [Ω]	R Max [Ω]
-40	759605	648883	886996
-35	545196	470383	630326
-30	396070	345013	453547
-25	291025	255863	330190
-20	216008	191616	242896
-15	161977	144932	180573
-10	122638	110653	135581
-5	93702	85230	102759
0	72191	66179	78551
5	56093	51813	60575
10	43907	40856	47068
15	34633	32456	36863
20	27509	25959	29079
25	22000	20900	23100
30	17709	16714	18715
35	14344	13453	15256
40	11688	10895	12507
45	9578	8875	10311
50	7894	7272	8548
55	6540	5991	7122
60	5446	4962	5963
65	4559	4131	5018
70	3832	3455	4240
75	3239	2905	3602
80	2748	2452	3071
85	2342	2080	2630
90	2004	1772	2262
95	1722	1516	1952
100	1486	1302	1692
105	1287	1123	1471
110	1119	972	1284
115	975	844	1124
120	854	736	988
125	750	644	872

figure 1. Thermistor

Typical NTC characteristic as a function of temperature

$R = f(T)$

