



NTC Characteristic Values

Parameter	Symbol	Conditions				Value			Unit
		V_{GE} [V]	V_{CE} [V]	I_C [A]	T_j [°C]	Min	Typ	Max	
Thermistor									
Rated resistance	R				25		21,5		k Ω
Deviation of R_{100}	$\Delta_{R/R}$	$R_{100} = 1486 \Omega$			100	-4,5		+4,5	%
Power dissipation	P				25		210		mW
Power dissipation constant					25		3,5		mW/K
B-value	$B_{(25/50)}$				25		3884		K
B-value	$B_{(25/100)}$				25		3964		K
Vincotech NTC Reference								F	

Temp. [°C]	R Nom [Ω]	R Min [Ω]	R Max [Ω]
-40	650,402	579,32	721,483
-35	475,602	425,322	525,883
-30	351,217	315,289	387,145
-25	261,813	235,891	287,736
-20	196,932	178,055	215,81
-15	149,413	135,544	163,282
-10	114,301	104,024	124,577
-5	88,136	80,459	95,812
0	68,479	62,7	74,258
5	53,595	49,212	57,979
10	42,242	38,893	45,59
15	33,518	30,943	36,094
20	26,769	24,775	28,763
25	21,511	19,958	23,065
30	17,39	16,173	18,608
35	14,14	13,18	15,1
40	11,561	10,799	12,322
45	9,503	8,896	10,109
50	7,851	7,365	8,337
55	6,519	6,127	6,91
60	5,438	5,121	5,755
65	4,558	4,3	4,815
70	3,837	3,627	4,047
75	3,244	3,071	3,416
80	2,754	2,612	2,895
85	2,347	2,23	2,464
90	2,008	1,911	2,105
95	1,724	1,643	1,805
100	1,486	1,419	1,553
105	1,285	1,225	1,346
110	1,115	1,061	1,169
115	970,9	922,7	1,019
120	847,9	804,7	891,1
125	742,7	704	781,5

figure 1. Thermistor
Thermistor typical temperature characteristic

