



**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		4,7		kΩ
Deviation of $R_{100}$	$\Delta_{R/R}$	$R_{100} = 401 \Omega$			100	-12,4		12,4	%
Power dissipation	$P$				25		210		mW
Power dissipation constant					25		3,5		mW/K
B-value	$B_{(25/50)}$				25		3590		K
B-value	$B_{(25/100)}$				25		3650		K
Vincotech NTC Reference								D	

Temp. [°C]	R Nom [Ω]	R Min [Ω]	R Max [Ω]
-40	115170	97559	132770
-35	85545	73309	97780
-30	64190	55616	72764
-25	48632	42577	54687
-20	37184	32878	41489
-15	28679	25598	31759
-10	22303	20088	24519
-5	17483	15882	19084
0	13808	12647	14970
5	10985	10140	11830
10	8799,30	8183,70	9414,90
15	7095,10	6646,40	7543,90
20	5757,30	5430,50	6084,10
25	4700	4465	4935
30	3859,20	3640,90	4077,50
35	3186,50	2987,60	3385,40
40	2645,10	2465	2825,20
45	2207	2044,60	2369,40
50	1850,60	1704,50	1996,60
55	1559	1428	1690,10
60	1319,40	1201,90	1437
65	1121,60	1016,20	1226,90
70	957,38	862,92	1051,80
75	820,56	735,84	905,28
80	706,05	630,01	782,09
85	609,82	541,50	678,13
90	528,62	467,17	590,06
95	459,84	404,50	515,17
100	401,36	351,47	451,26
105	351,47	306,41	396,53
110	308,75	268	349,50
115	272,05	235,15	308,96
120	240,42	206,94	273,90
125	213,07	182,66	243,49

**figure 1. Thermistor**

**Typical NTC characteristic as a function of temperature**

$R = f(T)$

