

R-T Characteristics

NTC1.8k - E+E Order Code: TP7

Sensor Type	Nominal Resistance	Sensitivity	E+E Order Code
NTC1.8k	$R_{25}: 1.8 \text{ k}\Omega \pm 0.2 \text{ K}$	$B_{25/85}: 3500 \text{ K} \pm 1.0 \%$	TP7

Tabulated R-T Characteristics (according to supplier's specifications)

T [°C]	R/R (25°C)
-40	21.6800
-35	16.3100
-30	12.3800
-25	9.4850
-20	7.3290
-15	5.7090
-10	4.4820
-5	3.5460
0	2.8250
5	2.2660
10	1.8300
15	1.4870
20	1.2160
25	1.0000
30	0.8270
35	0.6876
40	0.5747
45	0.4827
50	0.4074
55	0.3454
60	0.2941
65	0.2515
70	0.2160
75	0.1862
80	0.1612
85	0.1400
90	0.1220
95	0.1067
100	0.0937
105	0.0825
110	0.0728
115	0.0645
120	0.0573
125	0.0510
130	0.0456
135	0.0408
140	0.0366
145	0.0330
150	0.0298

T [°C]	R Value [Ω]
-40	39024.00
-35	29358.00
-30	22284.00
-25	17073.00
-20	13192.20
-15	10276.20
-10	8067.60
-5	6382.80
0	5085.00
5	4078.80
10	3294.00
15	2676.60
20	2188.80
25	1800.00
30	1488.60
35	1237.68
40	1034.46
45	868.86
50	733.32
55	621.72
60	529.38
65	452.70
70	388.80
75	335.16
80	290.16
85	252.00
90	219.60
95	192.06
100	168.66
105	148.50
110	131.04
115	116.10
120	103.14
125	91.80
130	82.10
135	73.40
140	65.90
145	59.40
150	53.60