

# R-T Characteristics

**NTC10k ±1%, B<sub>25/100</sub> = 3950K**  
**E+E Order Code: TP5**

Sensor Type	Nominal Resistance	Sensitivity	E+E Order Code
NTC10k	R <sub>25</sub> : 10 kΩ ± 1 %	B <sub>25/100</sub> : 3950 K ± 1.0 %	TP5

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

T [°C]	Rmin [Ω]	Rnom [Ω]	Rmax [Ω]
-55	826970	878900	930830
-50	583600	617590	651570
-45	416870	439340	461810
-40	301180	316180	331180
-35	219970	230060	240160
-30	162300	169150	175990
-25	120880	125550	130220
-20	90938	94143	97349
-15	68964	71172	73381
-10	52781	54308	55836
-5	40454	41505	42556

T [°C]	Rmin [Ω]	Rnom [Ω]	Rmax [Ω]
0	31290	32014	32738
5	24510	25011	25512
10	19346	19691	20036
15	15382	15618	15854
20	12315	12474	12633
25	9900	10000	10100
30	7977	8080	8182
35	6472	6569	6666
40	5282	5372	5462
45	4340	4424	4507
50	3585	3661	3737
55	2971	3039	3108
60	2474	2536	2598
65	2073	2128	2184
70	1744	1794	1844
75	1474	1518	1563
80	1250	1290	1330
85	1064	1100	1136
90	909.6	941.8	974.0
95	780.1	809.0	837.8
100	671.3	697.2	723.1
105	580.7	604.0	627.2
110	504.0	524.9	545.9
115	438.5	457.3	476.2
120	382.6	399.6	416.6
125	335.2	350.6	365.9
130	294.6	308.4	322.3
135	259.4	271.9	284.5
140	229.0	240.3	251.7
145	202.5	212.8	223.2
150	179.6	189.0	198.3
155	159.6	168.1	176.7