



TEMPERATURE VS. RESISTANCE CURVE

2.252K Ω NTC THERMISTOR, SENSOR CODE 08

TEMPERATURE (°F)	TEMPERATURE (°C)	RESISTANCE NOMINAL (Ω)	RESISTANCE MINIMUM (Ω)	RESISTANCE MAXIMUM (Ω)	RESISTANCE TOLERANCE \pm %	TEMPERATURE TOLERANCE \pm / °C	ALPHA \pm / °C
-40.0	-40.0	75,485	72,547	78,556	4.07	0.60	-6.64
-31.0	-35.0	54,486	52,602	56,445	3.59	0.55	-6.41
-22.0	-30.0	39,759	38,548	41,013	3.15	0.50	-6.20
-13.0	-25.0	29,316	28,537	30,119	2.74	0.45	-6.00
-4.0	-20.0	21,832	21,332	22,345	2.35	0.40	-5.80
5.0	-15.0	16,413	16,094	16,739	1.99	0.35	-5.62
14.0	-10.0	12,452	12,251	12,657	1.65	0.30	-5.44
23.0	-5.0	9,529	9,404	9,655	1.33	0.25	-5.27
32.0	0.0	7,353	7,278	7,428	1.03	0.20	-5.11
41.0	5.0	5,719	5,663	5,776	1.00	0.20	-4.95
50.0	10.0	4,482	4,440	4,526	0.97	0.20	-4.80
59.0	15.0	3,539	3,506	3,572	0.94	0.20	-4.66
68.0	20.0	2,814	2,788	2,839	0.91	0.20	-4.52
77.0	25.0	2,252	2,232	2,272	0.88	0.20	-4.39
86.0	30.0	1,814	1,799	1,830	0.86	0.20	-4.26
95.0	35.0	1,471	1,458	1,483	0.83	0.20	-4.14
104.0	40.0	1,199	1,189	1,209	0.81	0.20	-4.03
113.0	45.0	983	976	991	0.79	0.20	-3.91
122.0	50.0	811	805	817	0.76	0.20	-3.81
131.0	55.0	672	667	677	0.74	0.20	-3.70
140.0	60.0	560	556	564	0.72	0.20	-3.60
149.0	65.0	469	466	472	0.70	0.20	-3.51
158.0	70.0	394	392	397	0.69	0.20	-3.41
167.0	75.0	333	330	337	1.00	0.30	-3.32
176.0	80.0	283	279	287	1.30	0.40	-3.24
185.0	85.0	241	237	245	1.59	0.50	-3.16
194.0	90.0	206	203	210	1.87	0.60	-3.08
203.0	95.0	177	174	181	2.12	0.70	-3.00
212.0	100.0	153	149	157	2.37	0.80	-2.93
212.0	105.0	132	129	136	2.61	0.90	-2.85
230.0	110.0	115	112	118	2.83	1.00	-2.78
239.0	115.0	100	97	103	3.04	1.10	-2.72
248.0	120.0	88	85	90	3.24	1.20	-2.65
257.0	125.0	77	74	79	3.44	1.30	-2.59
266.0	130.0	68	65	70	3.62	1.40	-2.53
275.0	135.0	60	57	62	3.79	1.50	-2.47
284.0	140.0	53	51	55	3.95	1.60	-2.42
293.0	145.0	47	45	49	4.11	1.70	-2.36
302.0	150.0	42	40	43	4.26	1.80	-2.31

Sensor tolerance is $\pm 0.2^\circ\text{C}$ in the range 0 to 70°C .