

# R - T CONVERSION TABLE

(1/4)

Part No. : NSM3101J280H3  
 R 25 : 100 Tolerance is 5 %  
 B 25/85 : 2800 K Tolerance is 3 %

Tx(°C)	Rmin.( )	Rnom.( )	Rmax.( )
-40	1108.598	1259.076	1426.419
-39	1057.766	1199.602	1357.068
-38	1009.628	1143.360	1291.582
-37	964.021	1090.153	1229.718
-36	920.798	1039.798	1171.252
-35	879.816	992.122	1115.976
-34	840.946	946.966	1063.695
-33	804.064	904.180	1014.226
-32	769.056	863.623	967.401
-31	735.816	825.167	923.060
-30	704.241	788.687	881.057
-29	674.238	754.070	841.252
-28	645.718	721.210	803.517
-27	618.600	690.004	767.731
-26	592.804	660.361	733.781
-25	568.259	632.191	701.560
-24	544.895	605.412	670.971
-23	522.649	579.946	641.920
-22	501.459	555.722	614.320
-21	481.270	532.671	588.090
-20	462.027	510.728	563.153
-19	443.681	489.834	539.438
-18	426.184	469.932	516.877
-17	409.492	450.969	495.406
-16	393.563	432.894	474.968
-15	378.357	415.662	455.505
-14	363.837	399.227	436.965
-13	349.968	383.547	419.299
-12	336.716	368.584	402.461
-11	324.052	354.301	386.406
-10	311.944	340.662	371.093
-9	300.366	327.634	356.485
-8	289.291	315.188	342.544
-7	278.695	303.292	329.236
-6	268.553	291.920	316.528
-5	258.843	281.046	304.390
-4	249.546	270.644	292.793
-3	240.640	260.692	281.709
-2	232.107	251.167	271.114
-1	223.929	242.049	260.982
0	216.090	233.319	251.291
1	208.573	224.956	242.019
2	201.363	216.944	233.146
3	194.447	209.266	224.651
4	187.810	201.906	216.518
5	181.440	194.850	208.728

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Tx(°C)	Rmin.( )	Rnom.( )	Rmax.( )
6	175.324	188.082	201.265
7	169.451	181.590	194.113
8	163.809	175.361	187.258
9	158.389	169.383	180.686
10	153.181	163.643	174.383
11	148.175	158.132	168.337
12	143.361	152.839	162.537
13	138.733	147.755	156.970
14	134.280	142.869	151.626
15	129.997	138.173	146.496
16	125.875	133.658	141.568
17	121.908	129.318	136.835
18	118.088	125.143	132.287
19	114.410	121.127	127.916
20	110.868	117.262	123.715
21	107.456	113.543	119.676
22	104.168	109.963	115.791
23	100.999	106.517	112.054
24	97.945	103.197	108.459
25	95.000	100.000	105.000
26	92.001	96.933	101.875
27	89.114	93.979	98.862
28	86.336	91.133	95.957
29	83.661	88.391	93.154
30	81.085	85.747	90.451
31	78.604	83.199	87.842
32	76.213	80.741	85.324
33	73.910	78.371	82.893
34	71.690	76.084	80.546
35	69.549	73.878	78.280
36	67.486	71.749	76.090
37	65.495	69.693	73.975
38	63.575	67.709	71.931
39	61.723	65.793	69.956
40	59.935	63.942	68.046
41	58.210	62.154	66.200
42	56.544	60.426	64.414
43	54.936	58.757	62.687
44	53.382	57.143	61.016
45	51.882	55.583	59.400
46	50.432	54.075	57.835
47	49.031	52.616	56.321
48	47.677	51.204	54.855
49	46.368	49.839	53.436
50	45.102	48.518	52.061
51	43.878	47.239	50.729
52	42.695	46.001	49.439
53	41.549	44.802	48.190
54	40.441	43.642	46.978
55	39.369	42.518	45.804

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Tx(°C)	Rmin.( )	Rnom.( )	Rmax.( )
56	38.331	41.429	44.666
57	37.326	40.374	43.563
58	36.353	39.352	42.492
59	35.411	38.362	41.454
60	34.498	37.401	40.448
61	33.614	36.471	39.471
62	32.758	35.568	38.523
63	31.928	34.693	37.603
64	31.123	33.843	36.710
65	30.343	33.020	35.843
66	29.587	32.221	35.001
67	28.854	31.445	34.184
68	28.143	30.692	33.390
69	27.453	29.962	32.618
70	26.784	29.253	31.869
71	26.134	28.564	31.141
72	25.504	27.895	30.433
73	24.893	27.245	29.746
74	24.299	26.614	29.077
75	23.723	26.001	28.427
76	23.163	25.405	27.795
77	22.619	24.826	27.180
78	22.092	24.264	26.582
79	21.579	23.716	26.001
80	21.080	23.185	25.435
81	20.595	22.666	24.883
82	20.125	22.163	24.348
83	19.668	21.675	23.826
84	19.223	21.199	23.319
85	18.791	20.736	22.825
86	18.371	20.286	22.344
87	17.962	19.848	21.876
88	17.565	19.421	21.420
89	17.178	19.006	20.976
90	16.802	18.602	20.543
91	16.436	18.209	20.121
92	16.080	17.825	19.710
93	15.734	17.452	19.310
94	15.396	17.089	18.920
95	15.068	16.735	18.540
96	14.748	16.390	18.169
97	14.437	16.054	17.807
98	14.133	15.726	17.455
99	13.838	15.407	17.111
100	13.550	15.096	16.775
101	13.270	14.792	16.448
102	12.996	14.496	16.129
103	12.730	14.208	15.818
104	12.471	13.927	15.514
105	12.218	13.653	15.218

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Tx(°C)	Rmin.( )	Rnom.( )	Rmax.( )
106	11.971	13.385	14.928
107	11.731	13.124	14.646
108	11.497	12.869	14.370
109	11.268	12.621	14.101
110	11.045	12.378	13.838
111	10.828	12.142	13.581
112	10.616	11.911	13.331
113	10.409	11.685	13.086
114	10.207	11.465	12.847
115	10.010	11.250	12.613
116	9.817	11.040	12.385
117	9.630	10.835	12.162
118	9.446	10.635	11.944
119	9.268	10.440	11.731
120	9.093	10.249	11.522
121	8.922	10.062	11.319
122	8.756	9.880	11.120
123	8.593	9.701	10.925
124	8.434	9.527	10.735
125	8.279	9.357	10.549