°C.	ohms	ppm	chg.	°C.	ohms	ppm	chg.
0	100			50	119.151	3830	0.3830
1	100.379	3789	0.3789	51	119.538	3830	0.3830
2	100.759	3795	0.3795	52	119.924	3831	0.3831
3	101.139	3796	0.3796	53	120.311	3832	0.3832
4	101.520	3799	0.3799	54	120.697	3832	0.3832
5	101.900	3800	0.3800	55	121.084	3833	0.3833
6	102.281	3801	0.3801	56	121.471	3834	0.3834
7	102.661	3801	0.3801	57	121.858	3834	0.3834
8	103.042	3802	0.3802	58	122.246	3835	0.3835
9	103.423	3803	0.3803	59	122.633	3836	0.3836
10	103.804	3804	0.3804	60	123.020	3836	0.3836
11	104.185	3804	0.3804	61	123.408	3837	0.3837
12	104.566	3805	0.3805	62	123.796	3838	0.3838
13	104.948	3806	0.3806	63	124.184	3838	0.3838
14	105.329	3806	0.3806	64	124.572	3839	0.3839
15	105.711	3807	0.3807	65	124.960	3839	0.3839
16	106.093	3808	0.3808	66	125.348	3840	0.3840
17	106.475	3808	0.3808	67	125.737	3841	0.3841
18	106.857	3809	0.3809	68	126.125	3841	0.3841
19	107.239	3809	0.3809	69	126.514	3842	0.3842
20	107.621	3810	0.3810	70	126.903	3843	0.3843
21	108.004	3811	0.3811	71	127.292	3843	0.3843
22	108.386	3811	0.3811	72	127.681	3844	0.3844
23	108.769	3812	0.3812	73	128.070	3845	0.3845
24	109.152	3813	0.3813	74	128.459	3845	0.3845
25	109.535	3814	0.3814	75	128.849	3846	0.3846
26	109.918	3814	0.3814	76	129.238	3847	0.3847
27	110.301	3815	0.3815	77	129.628	3847	0.3847
28	110.684	3815	0.3815	78	130.018	3848	0.3848
29	111.068	3816	0.3816	79	130.408	3849	0.3849
30	111.451	3816	0.3816	80	130.798	3849	0.3849
31	111.835	3817	0.3817	81	131.188	3850	0.3850
32	112.219	3818	0.3818	82	131.579	3851	0.3851
33	112.603	3819	0.3819	83	131.969	3851	0.3851
34	112.987	3819	0.3819	84	132.360	3852	0.3852
35	113.372	3820	0.3820	85	132.751	3853	0.3853
36	113.756	3821	0.3821	86	133.142	3853	0.3853
37	114.140	3821	0.3821	87	133.533	3854	0.3854
38	114.525	3822	0.3822	88	133.924	3854	0.3854

39	114.910	3823	0.3823	89	134.315	3855	0.3855
40	115.295	3823	0.3823	90	134.707	3856	0.3856
41	115.680	3824	0.3824	91	135.098	3856	0.3856
42	116.065	3825	0.3825	92	135.490	3857	0.3857
43	116.450	3825	0.3825	93	135.882	3858	0.3858
44	116.836	3826	0.3826	94	136.274	3858	0.3858
45	117.221	3826	0.3826	95	136.666	3859	0.3859
46	117.607	3827	0.3827	96	137.058	3860	0.3860
47	117.993	3828	0.3828	97	137.450	3860	0.3860
48	118.379	3828	0.3828	98	137.843	3861	0.3861
49	118.765	3829	0.3829	99	138.235	3862	0.3862
				100	138.628	3862	0.3862

RESISTANCE TEMPERATURE CHARACTERISTIC (Rt)

. Rt is defined by IEC standard, pub. 751: alpha = 0.00385 ohm/ohm/°C.

... For range -40°C. to 0°C. $RT = Ro[1+At+Bt^2+C(t-100°C.)\ t^3]$

... For range 0°C. to +150°C: $RT = Ro(1+At+Bt^2)$

where the constants in these equations are:

$A = 3.79782 \times 10^{-3}$ $B = 6.502 \times 10\text{-}7$ $C = 4.3735 \times 10^{-12}$

. $Rt = Ro[1+At+Bt^2]$

$Rt = 100[1+(3.79782 \times 10^{-3} \times 100)+(6.502 \times 10\text{-}7 \times 100^2)]$

$Rt = 100[1+.379782 +.006502]$

$Rt = 100 \times 1.386284$

$Rt = 138.628$ ohms at 100°C.

. $Rt = Ro[1+At+Bt^2+C(t-100)\ t^3]$

$Rt = 100[1+(-.1519128)+(.00104032)+(.00003918656)]$

$Rt = 100 \times .8491667$

$Rt = 100[1+(3.79782 \times 10^{-3} \times -40)+(6.502 \times 10\text{-}7 \times -40^2)+ (4.3735 \times 10^{-12} \times (-40-100) \times -40^3)]$

$Rt = 84.916$ ohms at -40°C.

駿融企業有限公司 JIN ZON ENTERPRISE CO., LTD.
104 台北市長安東路二段 171 號 4 樓之 3
4F-3, No. 171, Sec. 2, Chang An E. Rd., Taipei, Taiwan, R. O. C.
TEL: 886-2-27111093~5 FAX: 886-2-27310902
E-mail: jinzon@ms2.hinet.net Http:// www.jinzon.com.tw/