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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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NTC thermistors for temperature measurement

Glass-encapsulated sensors,
standard type

Series/Type: **B57540**
Date: March 2006

Applications

- Automotive electronics
- Industrial electronics
- Home appliances

Features

- Glass-encapsulated, heat-resistive and highly stable
- For temperature measurement up to 250 °C
- Fast response
- Small dimensions
- Leads: dumet wires (copper-clad FeNi)

Options

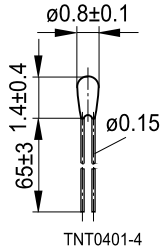
Leads: nickel-plated dumet wires.
Alternative dimensions available on request.

Delivery mode

Bulk

General technical data

Climatic category	(IEC 60068-1)		55/250/56	
Max. power	(at 25 °C)	P_{25}	18	mW
Resistance tolerance		$\Delta R_R/R_R$	$\pm 1, \pm 2, \pm 3, \pm 5$	%
Rated temperature		T_R	25	°C
Dissipation factor	(in air)	δ_{th}	approx. 0.4	mW/K
Thermal cooling time constant	(in air)	τ_c	approx. 3	s
Heat capacity		C_{th}	approx. 1.3	mJ/K

Dimensional drawing


Dimensions in mm

Electrical specification and ordering codes

R_{25} Ω	No. of R/T characteristic	$B_{25/85}$ K	$B_{0/100}$ K	$B_{25/100}$ K	Ordering code
5 k	8402	3480	3450 $\pm 1\%$	3497	B57540G0502+00*
10 k	8407	3480	3450 $\pm 1\%$	3497	B57540G0103+00*
20 k	8415	3992	3970 $\pm 1\%$	4006	B57540G0203+00*
30 k	8415	3992	3970 $\pm 1\%$	4006	B57540G0303+00*
50 k	8403	3992	3970 $\pm 1\%$	4006	B57540G0503+00*
100 k	8404	4066	4036 $\pm 1\%$	4085	B57540G0104+00*
230 k	8405	4240	4537 $\pm 2^{1)}\%$	4264	B57540G0234+00*
1400 k	8406	4557	5133 $\pm 2^{2)}\%$	4581	B57540G0145+00*

+ = Resistance tolerance

F = $\pm 1\%$

G = $\pm 2\%$

H = $\pm 3\%$

J = $\pm 5\%$

* = Leads

0 = dumet wires

2 = nickel-plated wires

Reliability data

Test	Standard	Test conditions	$\Delta R_{25}/R_{25}$ (typical)	Remarks
Storage in dry heat	IEC 60068-2-2	Storage at upper category temperature T: 250 °C t: 1000 h	< 3%	No visible damage
Storage in damp heat, steady state	IEC 60068-2-67	Temperature of air: 85 °C Relative humidity of air: 85% Duration: 56 days	< 2%	No visible damage
Rapid temperature cycling	IEC 60068-2-14	Lower test temperature: -55 °C Upper test temperature: 200 °C Number of cycles: 1000	< 2%	No visible damage

1) $B_{100/200}$

2) $B_{200/300}$

R/T characteristics

B57540G0502F000						
R/T No.	8402					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 5000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 1%					
	R _{nomL} [Ω]	R _{minL} [Ω]	R _{maxL} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	259960	245980	273940	5.4	0.8	6.4
-50.0	189950	180440	199450	5.0	0.8	6.2
-45.0	140350	133820	146880	4.7	0.8	5.9
-40.0	104800	100280	109320	4.3	0.8	5.7
-35.0	79044	75892	82196	4.0	0.7	5.5
-30.0	60186	57972	62400	3.7	0.7	5.4
-25.0	46242	44678	47806	3.4	0.7	5.2
-20.0	35834	34724	36945	3.1	0.6	5.0
-15.0	27996	27205	28788	2.8	0.6	4.9
-10.0	22043	21478	22609	2.6	0.5	4.7
-5.0	17485	17080	17890	2.3	0.5	4.6
0.0	13968	13678	14258	2.1	0.5	4.4
5.0	11234	11027	11441	1.8	0.4	4.3
10.0	9094	8946	9241	1.6	0.4	4.2
15.0	7407	7302	7511	1.4	0.3	4.0
20.0	6068	5995	6141	1.2	0.3	3.9
25.0	5000	4950	5050	1.0	0.3	3.8
30.0	4142	4093	4192	1.2	0.3	3.7
35.0	3450	3402	3497	1.4	0.4	3.6
40.0	2887	2842	2932	1.6	0.4	3.5
45.0	2428	2386	2470	1.7	0.5	3.4
50.0	2051	2012	2090	1.9	0.6	3.3
55.0	1741	1705	1777	2.1	0.6	3.2
60.0	1484	1450	1517	2.2	0.7	3.2
65.0	1270	1239	1300	2.4	0.8	3.1
70.0	1091	1063	1119	2.5	0.8	3.0
75.0	940.8	915.5	966.2	2.7	0.9	2.9
80.0	814.4	791.3	837.5	2.8	1.0	2.8
85.0	707.5	686.5	728.6	3.0	1.1	2.8
90.0	616.8	597.5	636.0	3.1	1.1	2.7
95.0	539.4	521.9	556.9	3.2	1.2	2.6
100.0	473.3	457.3	489.3	3.4	1.3	2.6
105.0	416.6	402.0	431.2	3.5	1.4	2.5
110.0	367.7	354.4	381.1	3.6	1.5	2.5
115.0	325.6	313.4	337.8	3.7	1.6	2.4
120.0	289.0	277.9	300.2	3.9	1.6	2.4
125.0	257.3	247.1	267.6	4.0	1.7	2.3
130.0	229.7	220.3	239.1	4.1	1.8	2.2
135.0	205.5	196.9	214.2	4.2	1.9	2.2

B57540G0502F000						
R/T No.	8402					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 5000 Ω, T _R = 25 °C, ΔR _R /R _R ± 1%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
140.0	184.4	176.4	192.3	4.3	2.0	2.1
145.0	165.8	158.5	173.1	4.4	2.1	2.1
150.0	149.4	142.7	156.2	4.5	2.2	2.1
155.0	135.0	128.8	141.2	4.6	2.3	2.0
160.0	122.2	116.5	128.0	4.7	2.4	2.0
165.0	110.9	105.5	116.2	4.8	2.5	1.9
170.0	100.8	95.86	105.7	4.9	2.6	1.9
175.0	91.82	87.24	96.40	5.0	2.7	1.8
180.0	83.81	79.55	88.06	5.1	2.8	1.8
185.0	76.64	72.68	80.60	5.2	2.9	1.8
190.0	70.21	66.53	73.90	5.3	3.0	1.7
195.0	64.44	61.00	67.88	5.3	3.1	1.7
200.0	59.25	56.04	62.46	5.4	3.3	1.7
205.0	54.56	51.56	57.56	5.5	3.4	1.6
210.0	50.33	47.53	53.14	5.6	3.5	1.6
215.0	46.51	43.88	49.14	5.7	3.6	1.6
220.0	43.04	40.57	45.50	5.7	3.7	1.5
225.0	39.89	37.57	42.20	5.8	3.9	1.5
230.0	37.02	34.85	39.20	5.9	4.0	1.5
235.0	34.42	32.37	36.46	5.9	4.1	1.4
240.0	32.04	30.11	33.97	6.0	4.2	1.4
245.0	29.86	28.05	31.68	6.1	4.4	1.4
250.0	27.88	26.16	29.59	6.2	4.5	1.4

B57540G0502G000						
R/T No.	8402					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 5000 Ω, T _R = 25 °C, ΔR _R /R _R ± 2%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	259960	243260	276650	6.4	1.0	6.4
-50.0	189950	178460	201430	6.0	1.0	6.2
-45.0	140350	132370	148330	5.7	1.0	5.9
-40.0	104800	99201	110400	5.3	0.9	5.7
-35.0	79044	75078	83010	5.0	0.9	5.5
-30.0	60186	57354	63018	4.7	0.9	5.4
-25.0	46242	44204	48279	4.4	0.8	5.2
-20.0	35834	34358	37310	4.1	0.8	5.0
-15.0	27996	26920	29073	3.8	0.8	4.9
-10.0	22043	21254	22833	3.6	0.8	4.7
-5.0	17485	16903	18067	3.3	0.7	4.6

B57540G0502G000						
R/T No.	8402					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 5000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 2%					
	R _{nomL} [Ω]	R _{minL} [Ω]	R _{maxL} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
0.0	13968	13537	14399	3.1	0.7	4.4
5.0	11234	10914	11554	2.9	0.7	4.3
10.0	9094	8855	9332	2.6	0.6	4.2
15.0	7407	7228	7585	2.4	0.6	4.0
20.0	6068	5935	6202	2.2	0.6	3.9
25.0	5000	4900	5100	2.0	0.5	3.8
30.0	4142	4051	4233	2.2	0.6	3.7
35.0	3450	3367	3532	2.4	0.7	3.6
40.0	2887	2813	2961	2.6	0.7	3.5
45.0	2428	2361	2495	2.7	0.8	3.4
50.0	2051	1991	2111	2.9	0.9	3.3
55.0	1741	1687	1795	3.1	1.0	3.2
60.0	1484	1435	1532	3.2	1.0	3.2
65.0	1270	1226	1313	3.4	1.1	3.1
70.0	1091	1052	1130	3.6	1.2	3.0
75.0	940.8	905.9	975.7	3.7	1.3	2.9
80.0	814.4	783.0	845.8	3.9	1.4	2.8
85.0	707.5	679.2	735.8	4.0	1.4	2.8
90.0	616.8	591.3	642.3	4.1	1.5	2.7
95.0	539.4	516.4	562.4	4.3	1.6	2.6
100.0	473.3	452.5	494.1	4.4	1.7	2.6
105.0	416.6	397.7	435.4	4.5	1.8	2.5
110.0	367.7	350.6	384.8	4.7	1.9	2.5
115.0	325.6	310.0	341.1	4.8	2.0	2.4
120.0	289.0	274.9	303.2	4.9	2.1	2.4
125.0	257.3	244.4	270.2	5.0	2.2	2.3
130.0	229.7	217.9	241.4	5.1	2.3	2.2
135.0	205.5	194.8	216.3	5.2	2.4	2.2
140.0	184.4	174.5	194.2	5.3	2.5	2.1
145.0	165.8	156.8	174.8	5.4	2.6	2.1
150.0	149.4	141.1	157.7	5.5	2.7	2.1
155.0	135.0	127.4	142.6	5.6	2.8	2.0
160.0	122.2	115.2	129.2	5.7	2.9	2.0
165.0	110.9	104.4	117.4	5.8	3.0	1.9
170.0	100.8	94.82	106.8	5.9	3.1	1.9
175.0	91.82	86.29	97.36	6.0	3.3	1.8
180.0	83.81	78.68	88.94	6.1	3.4	1.8
185.0	76.64	71.88	81.40	6.2	3.5	1.8
190.0	70.21	65.80	74.63	6.3	3.6	1.7
195.0	64.44	60.33	68.55	6.4	3.8	1.7

B57540G0502G000						
R/T No.	8402					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 5000 Ω, T _R = 25 °C, ΔR _R /R _R ± 2%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
200.0	59.25	55.42	63.07	6.5	3.9	1.7
205.0	54.56	50.99	58.13	6.5	4.0	1.6
210.0	50.33	47.00	53.67	6.6	4.1	1.6
215.0	46.51	43.39	49.62	6.7	4.3	1.6
220.0	43.04	40.12	45.95	6.8	4.4	1.5
225.0	39.89	37.16	42.62	6.9	4.6	1.5
230.0	37.02	34.46	39.59	6.9	4.7	1.5
235.0	34.42	32.01	36.82	7.0	4.8	1.4
240.0	32.04	29.77	34.30	7.1	5.0	1.4
245.0	29.86	27.73	32.00	7.1	5.1	1.4
250.0	27.88	25.87	29.88	7.2	5.3	1.4

B57540G0502H000						
R/T No.	8402					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 5000 Ω, T _R = 25 °C, ΔR _R /R _R ± 3%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	259960	240550	279360	7.5	1.2	6.4
-50.0	189950	176490	203400	7.1	1.1	6.2
-45.0	140350	130910	149780	6.7	1.1	5.9
-40.0	104800	98118	111480	6.4	1.1	5.7
-35.0	79044	74264	83824	6.0	1.1	5.5
-30.0	60186	56736	63636	5.7	1.1	5.4
-25.0	46242	43731	48753	5.4	1.0	5.2
-20.0	35834	33992	37676	5.1	1.0	5.0
-15.0	27996	26635	29358	4.9	1.0	4.9
-10.0	22043	21030	23057	4.6	1.0	4.7
-5.0	17485	16726	18245	4.3	1.0	4.6
0.0	13968	13396	14540	4.1	0.9	4.4
5.0	11234	10800	11668	3.9	0.9	4.3
10.0	9094	8763	9424	3.6	0.9	4.2
15.0	7407	7154	7659	3.4	0.8	4.0
20.0	6068	5874	6263	3.2	0.8	3.9
25.0	5000	4850	5150	3.0	0.8	3.8
30.0	4142	4010	4275	3.2	0.9	3.7
35.0	3450	3333	3566	3.4	0.9	3.6
40.0	2887	2784	2990	3.6	1.0	3.5
45.0	2428	2337	2519	3.8	1.1	3.4
50.0	2051	1971	2132	3.9	1.2	3.3
55.0	1741	1670	1812	4.1	1.3	3.2

B57540G0502H000						
R/T No.	8402					
T (°C)	$B_{0/100} = 3450 \text{ K}, R_{25} = 5000 \text{ } \Omega, T_R = 25 \text{ } ^\circ\text{C}, \Delta R_R/R_R = \pm 3\%$					
	$R_{nom}[\Omega]$	$R_{min}[\Omega]$	$R_{max}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm^\circ\text{C}]$	$\alpha (\%/K)$
60.0	1484	1420	1547	4.3	1.3	3.2
65.0	1270	1214	1326	4.4	1.4	3.1
70.0	1091	1041	1141	4.6	1.5	3.0
75.0	940.8	896.4	985.3	4.7	1.6	2.9
80.0	814.4	774.7	854.1	4.9	1.7	2.8
85.0	707.5	672.0	743.0	5.0	1.8	2.8
90.0	616.8	585.0	648.5	5.2	1.9	2.7
95.0	539.4	510.9	568.0	5.3	2.0	2.6
100.0	473.3	447.6	499.0	5.4	2.1	2.6
105.0	416.6	393.4	439.7	5.6	2.2	2.5
110.0	367.7	346.9	388.6	5.7	2.3	2.5
115.0	325.6	306.7	344.5	5.8	2.4	2.4
120.0	289.0	271.9	306.2	5.9	2.5	2.4
125.0	257.3	241.8	272.9	6.0	2.6	2.3
130.0	229.7	215.6	243.8	6.2	2.7	2.2
135.0	205.5	192.7	218.4	6.3	2.9	2.2
140.0	184.4	172.6	196.1	6.4	3.0	2.1
145.0	165.8	155.1	176.5	6.5	3.1	2.1
150.0	149.4	139.6	159.3	6.6	3.2	2.1
155.0	135.0	126.0	144.0	6.7	3.3	2.0
160.0	122.2	113.9	130.5	6.8	3.4	2.0
165.0	110.9	103.2	118.5	6.9	3.6	1.9
170.0	100.8	93.77	107.8	7.0	3.7	1.9
175.0	91.82	85.33	98.31	7.1	3.8	1.8
180.0	83.81	77.81	89.81	7.2	4.0	1.8
185.0	76.64	71.09	82.19	7.2	4.1	1.8
190.0	70.21	65.06	75.36	7.3	4.2	1.7
195.0	64.44	59.66	69.22	7.4	4.4	1.7
200.0	59.25	54.80	63.69	7.5	4.5	1.7
205.0	54.56	50.42	58.70	7.6	4.7	1.6
210.0	50.33	46.48	54.19	7.7	4.8	1.6
215.0	46.51	42.90	50.11	7.7	4.9	1.6
220.0	43.04	39.67	46.40	7.8	5.1	1.5
225.0	39.89	36.74	43.04	7.9	5.2	1.5
230.0	37.02	34.07	39.98	8.0	5.4	1.5
235.0	34.42	31.65	37.19	8.0	5.6	1.4
240.0	32.04	29.44	34.64	8.1	5.7	1.4
245.0	29.86	27.42	32.31	8.2	5.9	1.4
250.0	27.88	25.57	30.18	8.3	6.0	1.4

B57540G0502J000						
R/T No.	8402					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 5000 Ω, T _R = 25 °C, ΔR _R /R _R ± 5%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	259960	235130	284790	9.6	1.5	6.4
-50.0	189950	172540	207350	9.2	1.5	6.2
-45.0	140350	128010	152690	8.8	1.5	5.9
-40.0	104800	95953	113650	8.4	1.5	5.7
-35.0	79044	72637	85452	8.1	1.5	5.5
-30.0	60186	55501	64871	7.8	1.5	5.4
-25.0	46242	42784	49699	7.5	1.4	5.2
-20.0	35834	33260	38408	7.2	1.4	5.0
-15.0	27996	26065	29928	6.9	1.4	4.9
-10.0	22043	20582	23505	6.6	1.4	4.7
-5.0	17485	16372	18599	6.4	1.4	4.6
0.0	13968	13114	14823	6.1	1.4	4.4
5.0	11234	10574	11894	5.9	1.4	4.3
10.0	9094	8580	9607	5.6	1.4	4.2
15.0	7407	7005	7808	5.4	1.3	4.0
20.0	6068	5752	6384	5.2	1.3	3.9
25.0	5000	4750	5250	5.0	1.3	3.8
30.0	4142	3927	4358	5.2	1.4	3.7
35.0	3450	3263	3636	5.4	1.5	3.6
40.0	2887	2726	3048	5.6	1.6	3.5
45.0	2428	2288	2568	5.8	1.7	3.4
50.0	2051	1929	2173	5.9	1.8	3.3
55.0	1741	1634	1847	6.1	1.9	3.2
60.0	1484	1390	1577	6.3	2.0	3.2
65.0	1270	1188	1352	6.4	2.1	3.1
70.0	1091	1019	1163	6.6	2.2	3.0
75.0	940.8	877.2	1004	6.8	2.3	2.9
80.0	814.4	758.2	870.7	6.9	2.4	2.8
85.0	707.5	657.6	757.4	7.1	2.5	2.8
90.0	616.8	572.4	661.1	7.2	2.7	2.7
95.0	539.4	499.8	579.0	7.3	2.8	2.6
100.0	473.3	437.9	508.7	7.5	2.9	2.6
105.0	416.6	384.9	448.2	7.6	3.0	2.5
110.0	367.7	339.3	396.2	7.7	3.1	2.5
115.0	325.6	300.0	351.1	7.9	3.3	2.4
120.0	289.0	266.0	312.1	8.0	3.4	2.4
125.0	257.3	236.5	278.2	8.1	3.5	2.3
130.0	229.7	210.8	248.5	8.2	3.7	2.2
135.0	205.5	188.4	222.6	8.3	3.8	2.2

B57540G0502J000						
R/T No.	8402					
T (°C)	$B_{0/100} = 3450 \text{ K}$, $R_{25} = 5000 \text{ } \Omega$, $T_R = 25 \text{ } ^\circ\text{C}$, $\Delta R_R/R_R = \pm 5\%$					
	$R_{\text{nom}}[\Omega]$	$R_{\text{min}}[\Omega]$	$R_{\text{max}}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm^\circ\text{C}]$	$\alpha (\%/K)$
140.0	184.4	168.8	199.9	8.4	3.9	2.1
145.0	165.8	151.6	180.0	8.5	4.1	2.1
150.0	149.4	136.5	162.4	8.7	4.2	2.1
155.0	135.0	123.2	146.8	8.8	4.4	2.0
160.0	122.2	111.4	133.0	8.9	4.5	2.0
165.0	110.9	100.9	120.8	9.0	4.6	1.9
170.0	100.8	91.67	109.9	9.1	4.8	1.9
175.0	91.82	83.42	100.2	9.1	5.0	1.8
180.0	83.81	76.07	91.55	9.2	5.1	1.8
185.0	76.64	69.49	83.79	9.3	5.3	1.8
190.0	70.21	63.60	76.83	9.4	5.4	1.7
195.0	64.44	58.32	70.57	9.5	5.6	1.7
200.0	59.25	53.56	64.93	9.6	5.8	1.7
205.0	54.56	49.28	59.84	9.7	5.9	1.6
210.0	50.33	45.42	55.24	9.8	6.1	1.6
215.0	46.51	41.93	51.08	9.8	6.3	1.6
220.0	43.04	38.77	47.31	9.9	6.5	1.5
225.0	39.89	35.90	43.87	10.0	6.6	1.5
230.0	37.02	33.30	40.75	10.1	6.8	1.5
235.0	34.42	30.93	37.91	10.1	7.0	1.4
240.0	32.04	28.76	35.31	10.2	7.2	1.4
245.0	29.86	26.79	32.94	10.3	7.4	1.4
250.0	27.88	24.99	30.76	10.4	7.6	1.4

B57540G0103F000						
R/T No.	8407					
T (°C)	$B_{0/100} = 3450 \text{ K}$, $R_{25} = 10000 \text{ } \Omega$, $T_R = 25 \text{ } ^\circ\text{C}$, $\Delta R_R/R_R = \pm 1\%$					
	$R_{\text{nom}}[\Omega]$	$R_{\text{min}}[\Omega]$	$R_{\text{max}}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm^\circ\text{C}]$	$\alpha (\%/K)$
-55.0	519910	491950	547870	5.4	0.8	6.4
-50.0	379890	360880	398910	5.0	0.8	6.2
-45.0	280700	267640	293750	4.7	0.8	5.9
-40.0	209600	200570	218640	4.3	0.8	5.7
-35.0	158090	151780	164390	4.0	0.7	5.5
-30.0	120370	115940	124800	3.7	0.7	5.4
-25.0	92484	89355	95612	3.4	0.7	5.2
-20.0	71668	69447	73889	3.1	0.6	5.0
-15.0	55993	54410	57576	2.8	0.6	4.9
-10.0	44087	42955	45218	2.6	0.5	4.7
-5.0	34971	34161	35780	2.3	0.5	4.6

B57540G0103F000						
R/T No.	8407					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 10000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 1%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
0.0	27936	27356	28516	2.1	0.5	4.4
5.0	22468	22054	22882	1.8	0.4	4.3
10.0	18187	17892	18482	1.6	0.4	4.2
15.0	14813	14605	15021	1.4	0.3	4.0
20.0	12136	11991	12282	1.2	0.3	3.9
25.0	10000	9900	10100	1.0	0.3	3.8
30.0	8284	8186	8383	1.2	0.3	3.7
35.0	6899	6804	6994	1.4	0.4	3.6
40.0	5774	5684	5864	1.6	0.4	3.5
45.0	4856	4772	4940	1.7	0.5	3.4
50.0	4103	4024	4181	1.9	0.6	3.3
55.0	3482	3409	3554	2.1	0.6	3.2
60.0	2967	2901	3034	2.2	0.7	3.2
65.0	2539	2479	2600	2.4	0.8	3.1
70.0	2182	2126	2237	2.5	0.8	3.0
75.0	1882	1831	1932	2.7	0.9	2.9
80.0	1629	1583	1675	2.8	1.0	2.8
85.0	1415	1373	1457	3.0	1.1	2.8
90.0	1234	1195	1272	3.1	1.1	2.7
95.0	1079	1044	1114	3.2	1.2	2.6
100.0	946.6	914.6	978.6	3.4	1.3	2.6
105.0	833.1	803.9	862.3	3.5	1.4	2.5
110.0	735.5	708.8	762.1	3.6	1.5	2.5
115.0	651.1	626.7	675.5	3.7	1.6	2.4
120.0	578.1	555.8	600.4	3.9	1.6	2.4
125.0	514.6	494.2	535.1	4.0	1.7	2.3
130.0	459.4	440.6	478.1	4.1	1.8	2.2
135.0	411.1	393.8	428.3	4.2	1.9	2.2
140.0	368.8	352.9	384.6	4.3	2.0	2.1
145.0	331.6	317.0	346.2	4.4	2.1	2.1
150.0	298.9	285.4	312.3	4.5	2.2	2.1
155.0	270.0	257.5	282.4	4.6	2.3	2.0
160.0	244.4	232.9	255.9	4.7	2.4	2.0
165.0	221.7	211.1	232.4	4.8	2.5	1.9
170.0	201.6	191.7	211.5	4.9	2.6	1.9
175.0	183.6	174.5	192.8	5.0	2.7	1.8
180.0	167.6	159.1	176.1	5.1	2.8	1.8
185.0	153.3	145.4	161.2	5.2	2.9	1.8
190.0	140.4	133.1	147.8	5.3	3.0	1.7
195.0	128.9	122.0	135.8	5.3	3.1	1.7

B57540G0103F000						
R/T No.	8407					
T (°C)	$B_{0/100} = 3450 \text{ K}, R_{25} = 10000 \text{ } \Omega, T_R = 25 \text{ } ^\circ\text{C}, \Delta R_R/R_R = \pm 1\%$					
	$R_{\text{nom}}[\Omega]$	$R_{\text{min}}[\Omega]$	$R_{\text{max}}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm^\circ\text{C}]$	$\alpha (\%/K)$
200.0	118.5	112.1	124.9	5.4	3.3	1.7
205.0	109.1	103.1	115.1	5.5	3.4	1.6
210.0	100.7	95.05	106.3	5.6	3.5	1.6
215.0	93.01	87.76	98.27	5.7	3.6	1.6
220.0	86.08	81.14	91.01	5.7	3.7	1.5
225.0	79.78	75.15	84.41	5.8	3.9	1.5
230.0	74.05	69.70	78.40	5.9	4.0	1.5
235.0	68.83	64.74	72.93	5.9	4.1	1.4
240.0	64.08	60.22	67.93	6.0	4.2	1.4
245.0	59.73	56.09	63.36	6.1	4.4	1.4
250.0	55.75	52.32	59.18	6.2	4.5	1.4

B57540G0103G000						
R/T No.	8407					
T (°C)	$B_{0/100} = 3450 \text{ K}, R_{25} = 10000 \text{ } \Omega, T_R = 25 \text{ } ^\circ\text{C}, \Delta R_R/R_R = \pm 2\%$					
	$R_{\text{nom}}[\Omega]$	$R_{\text{min}}[\Omega]$	$R_{\text{max}}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm^\circ\text{C}]$	$\alpha (\%/K)$
-55.0	519910	486530	553300	6.4	1.0	6.4
-50.0	379890	356930	402860	6.0	1.0	6.2
-45.0	280700	264740	296660	5.7	1.0	5.9
-40.0	209600	198400	220800	5.3	0.9	5.7
-35.0	158090	150160	166020	5.0	0.9	5.5
-30.0	120370	114710	126040	4.7	0.9	5.4
-25.0	92484	88409	96559	4.4	0.8	5.2
-20.0	71668	68716	74621	4.1	0.8	5.0
-15.0	55993	53839	58146	3.8	0.8	4.9
-10.0	44087	42508	45666	3.6	0.8	4.7
-5.0	34971	33806	36135	3.3	0.7	4.6
0.0	27936	27074	28798	3.1	0.7	4.4
5.0	22468	21827	23109	2.9	0.7	4.3
10.0	18187	17709	18665	2.6	0.6	4.2
15.0	14813	14456	15170	2.4	0.6	4.0
20.0	12136	11869	12404	2.2	0.6	3.9
25.0	10000	9800	10200	2.0	0.5	3.8
30.0	8284	8103	8466	2.2	0.6	3.7
35.0	6899	6735	7064	2.4	0.7	3.6
40.0	5774	5626	5922	2.6	0.7	3.5
45.0	4856	4723	4989	2.7	0.8	3.4
50.0	4103	3983	4222	2.9	0.9	3.3
55.0	3482	3374	3589	3.1	1.0	3.2

B57540G0103G000						
R/T No.	8407					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 10000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 2%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
60.0	2967	2871	3064	3.2	1.0	3.2
65.0	2539	2453	2626	3.4	1.1	3.1
70.0	2182	2104	2259	3.6	1.2	3.0
75.0	1882	1812	1951	3.7	1.3	2.9
80.0	1629	1566	1692	3.9	1.4	2.8
85.0	1415	1358	1472	4.0	1.4	2.8
90.0	1234	1183	1285	4.1	1.5	2.7
95.0	1079	1033	1125	4.3	1.6	2.6
100.0	946.6	904.9	988.2	4.4	1.7	2.6
105.0	833.1	795.4	870.9	4.5	1.8	2.5
110.0	735.5	701.3	769.7	4.7	1.9	2.5
115.0	651.1	620.1	682.2	4.8	2.0	2.4
120.0	578.1	549.8	606.4	4.9	2.1	2.4
125.0	514.6	488.9	540.4	5.0	2.2	2.3
130.0	459.4	435.8	482.9	5.1	2.3	2.2
135.0	411.1	389.6	432.6	5.2	2.4	2.2
140.0	368.8	349.1	388.4	5.3	2.5	2.1
145.0	331.6	313.5	349.6	5.4	2.6	2.1
150.0	298.9	282.3	315.4	5.5	2.7	2.1
155.0	270.0	254.7	285.2	5.6	2.8	2.0
160.0	244.4	230.4	258.5	5.7	2.9	2.0
165.0	221.7	208.8	234.7	5.8	3.0	1.9
170.0	201.6	189.6	213.6	5.9	3.1	1.9
175.0	183.6	172.6	194.7	6.0	3.3	1.8
180.0	167.6	157.4	177.9	6.1	3.4	1.8
185.0	153.3	143.8	162.8	6.2	3.5	1.8
190.0	140.4	131.6	149.3	6.3	3.6	1.7
195.0	128.9	120.7	137.1	6.4	3.8	1.7
200.0	118.5	110.8	126.1	6.5	3.9	1.7
205.0	109.1	102.0	116.3	6.5	4.0	1.6
210.0	100.7	94.00	107.3	6.6	4.1	1.6
215.0	93.01	86.78	99.24	6.7	4.3	1.6
220.0	86.08	80.24	91.91	6.8	4.4	1.5
225.0	79.78	74.31	85.24	6.9	4.6	1.5
230.0	74.05	68.92	79.18	6.9	4.7	1.5
235.0	68.83	64.02	73.65	7.0	4.8	1.4
240.0	64.08	59.55	68.60	7.1	5.0	1.4
245.0	59.73	55.47	63.99	7.1	5.1	1.4
250.0	55.75	51.73	59.77	7.2	5.3	1.4

B57540G0103H000						
R/T No.	8407					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 10000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 3%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	519910	481100	558720	7.5	1.2	6.4
-50.0	379890	352980	406810	7.1	1.1	6.2
-45.0	280700	261830	299570	6.7	1.1	5.9
-40.0	209600	196240	222970	6.4	1.1	5.7
-35.0	158090	148530	167650	6.0	1.1	5.5
-30.0	120370	113470	127270	5.7	1.1	5.4
-25.0	92484	87462	97505	5.4	1.0	5.2
-20.0	71668	67984	75352	5.1	1.0	5.0
-15.0	55993	53269	58716	4.9	1.0	4.9
-10.0	44087	42060	46114	4.6	1.0	4.7
-5.0	34971	33452	36489	4.3	1.0	4.6
0.0	27936	26792	29081	4.1	0.9	4.4
5.0	22468	21601	23335	3.9	0.9	4.3
10.0	18187	17526	18848	3.6	0.9	4.2
15.0	14813	14307	15319	3.4	0.8	4.0
20.0	12136	11748	12525	3.2	0.8	3.9
25.0	10000	9700	10300	3.0	0.8	3.8
30.0	8284	8020	8549	3.2	0.9	3.7
35.0	6899	6665	7133	3.4	0.9	3.6
40.0	5774	5568	5980	3.6	1.0	3.5
45.0	4856	4674	5038	3.8	1.1	3.4
50.0	4103	3942	4264	3.9	1.2	3.3
55.0	3482	3339	3624	4.1	1.3	3.2
60.0	2967	2841	3094	4.3	1.3	3.2
65.0	2539	2427	2652	4.4	1.4	3.1
70.0	2182	2082	2282	4.6	1.5	3.0
75.0	1882	1793	1971	4.7	1.6	2.9
80.0	1629	1549	1708	4.9	1.7	2.8
85.0	1415	1344	1486	5.0	1.8	2.8
90.0	1234	1170	1297	5.2	1.9	2.7
95.0	1079	1022	1136	5.3	2.0	2.6
100.0	946.6	895.3	997.9	5.4	2.1	2.6
105.0	833.1	786.9	879.4	5.6	2.2	2.5
110.0	735.5	693.7	777.2	5.7	2.3	2.5
115.0	651.1	613.4	688.9	5.8	2.4	2.4
120.0	578.1	543.9	612.3	5.9	2.5	2.4
125.0	514.6	483.6	545.7	6.0	2.6	2.3
130.0	459.4	431.1	487.6	6.2	2.7	2.2
135.0	411.1	385.3	436.8	6.3	2.9	2.2

B57540G0103H000						
R/T No.	8407					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 10000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 3%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
140.0	368.8	345.3	392.2	6.4	3.0	2.1
145.0	331.6	310.1	353.1	6.5	3.1	2.1
150.0	298.9	279.2	318.5	6.6	3.2	2.1
155.0	270.0	251.9	288.0	6.7	3.3	2.0
160.0	244.4	227.8	261.0	6.8	3.4	2.0
165.0	221.7	206.5	237.0	6.9	3.6	1.9
170.0	201.6	187.5	215.7	7.0	3.7	1.9
175.0	183.6	170.7	196.6	7.1	3.8	1.8
180.0	167.6	155.6	179.6	7.2	4.0	1.8
185.0	153.3	142.2	164.4	7.2	4.1	1.8
190.0	140.4	130.1	150.7	7.3	4.2	1.7
195.0	128.9	119.3	138.4	7.4	4.4	1.7
200.0	118.5	109.6	127.4	7.5	4.5	1.7
205.0	109.1	100.8	117.4	7.6	4.7	1.6
210.0	100.7	92.95	108.4	7.7	4.8	1.6
215.0	93.01	85.81	100.2	7.7	4.9	1.6
220.0	86.08	79.34	92.81	7.8	5.1	1.5
225.0	79.78	73.48	86.08	7.9	5.2	1.5
230.0	74.05	68.15	79.95	8.0	5.4	1.5
235.0	68.83	63.30	74.37	8.0	5.6	1.4
240.0	64.08	58.87	69.28	8.1	5.7	1.4
245.0	59.73	54.84	64.62	8.2	5.9	1.4
250.0	55.75	51.15	60.35	8.3	6.0	1.4

B57540G0103J000						
R/T No.	8407					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 10000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 5%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	519910	470250	569570	9.6	1.5	6.4
-50.0	379890	345080	414710	9.2	1.5	6.2
-45.0	280700	256010	305380	8.8	1.5	5.9
-40.0	209600	191910	227300	8.4	1.5	5.7
-35.0	158090	145270	170900	8.1	1.5	5.5
-30.0	120370	111000	129740	7.8	1.5	5.4
-25.0	92484	85569	99399	7.5	1.4	5.2
-20.0	71668	66521	76816	7.2	1.4	5.0
-15.0	55993	52129	59856	6.9	1.4	4.9
-10.0	44087	41164	47009	6.6	1.4	4.7
-5.0	34971	32744	37198	6.4	1.4	4.6

B57540G0103J000						
R/T No.	8407					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 10000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 5%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
0.0	27936	26227	29645	6.1	1.4	4.4
5.0	22468	21147	23788	5.9	1.4	4.3
10.0	18187	17160	19214	5.6	1.4	4.2
15.0	14813	14010	15616	5.4	1.3	4.0
20.0	12136	11504	12768	5.2	1.3	3.9
25.0	10000	9500	10500	5.0	1.3	3.8
30.0	8284	7854	8715	5.2	1.4	3.7
35.0	6899	6527	7271	5.4	1.5	3.6
40.0	5774	5452	6097	5.6	1.6	3.5
45.0	4856	4576	5136	5.8	1.7	3.4
50.0	4103	3859	4347	5.9	1.8	3.3
55.0	3482	3269	3695	6.1	1.9	3.2
60.0	2967	2781	3154	6.3	2.0	3.2
65.0	2539	2376	2703	6.4	2.1	3.1
70.0	2182	2038	2326	6.6	2.2	3.0
75.0	1882	1754	2009	6.8	2.3	2.9
80.0	1629	1516	1741	6.9	2.4	2.8
85.0	1415	1315	1515	7.1	2.5	2.8
90.0	1234	1145	1322	7.2	2.7	2.7
95.0	1079	999.7	1158	7.3	2.8	2.6
100.0	946.6	875.9	1017	7.5	2.9	2.6
105.0	833.1	769.8	896.5	7.6	3.0	2.5
110.0	735.5	678.6	792.3	7.7	3.1	2.5
115.0	651.1	600.0	702.3	7.9	3.3	2.4
120.0	578.1	532.0	624.2	8.0	3.4	2.4
125.0	514.6	473.0	556.3	8.1	3.5	2.3
130.0	459.4	421.6	497.1	8.2	3.7	2.2
135.0	411.1	376.8	445.3	8.3	3.8	2.2
140.0	368.8	337.6	399.9	8.4	3.9	2.1
145.0	331.6	303.3	359.9	8.5	4.1	2.1
150.0	298.9	273.0	324.7	8.7	4.2	2.1
155.0	270.0	246.3	293.6	8.8	4.4	2.0
160.0	244.4	222.8	266.1	8.9	4.5	2.0
165.0	221.7	201.9	241.6	9.0	4.6	1.9
170.0	201.6	183.3	219.8	9.1	4.8	1.9
175.0	183.6	166.8	200.4	9.1	5.0	1.8
180.0	167.6	152.1	183.1	9.2	5.1	1.8
185.0	153.3	139.0	167.6	9.3	5.3	1.8
190.0	140.4	127.2	153.7	9.4	5.4	1.7
195.0	128.9	116.6	141.1	9.5	5.6	1.7

B57540G0103J000						
R/T No.	8407					
T (°C)	B _{0/100} = 3450 K, R ₂₅ = 10000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 5%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
200.0	118.5	107.1	129.9	9.6	5.8	1.7
205.0	109.1	98.57	119.7	9.7	5.9	1.6
210.0	100.7	90.85	110.5	9.8	6.1	1.6
215.0	93.01	83.86	102.2	9.8	6.3	1.6
220.0	86.08	77.54	94.61	9.9	6.5	1.5
225.0	79.78	71.80	87.75	10.0	6.6	1.5
230.0	74.05	66.59	81.51	10.1	6.8	1.5
235.0	68.83	61.85	75.82	10.1	7.0	1.4
240.0	64.08	57.53	70.62	10.2	7.2	1.4
245.0	59.73	53.58	65.87	10.3	7.4	1.4
250.0	55.75	49.98	61.53	10.4	7.6	1.4

B57540G0203F000						
R/T No.	8415					
T (°C)	B _{0/100} = 3970 K, R ₂₅ = 20000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 1%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	2065700	1940700	2190800	6.1	0.8	7.6
-50.0	1421600	1341700	1501500	5.6	0.8	7.3
-45.0	992390	940670	1044100	5.2	0.7	7.1
-40.0	702160	668310	736000	4.8	0.7	6.8
-35.0	503150	480790	525520	4.4	0.7	6.5
-30.0	364900	349980	379820	4.1	0.6	6.3
-25.0	267660	257630	277680	3.7	0.6	6.1
-20.0	198440	191660	205230	3.4	0.6	5.9
-15.0	148630	144020	153250	3.1	0.5	5.7
-10.0	112400	109250	115560	2.8	0.5	5.5
-5.0	85788	83630	87947	2.5	0.5	5.3
0.0	66048	64570	67526	2.2	0.4	5.2
5.0	51214	50204	52223	2.0	0.4	5.0
10.0	40034	39347	40720	1.7	0.4	4.8
15.0	31537	31074	32000	1.5	0.3	4.7
20.0	25027	24719	25334	1.2	0.3	4.6
25.0	20000	19800	20200	1.0	0.2	4.4
30.0	16090	15894	16287	1.2	0.3	4.3
35.0	13028	12840	13215	1.4	0.3	4.2
40.0	10613	10438	10787	1.6	0.4	4.0
45.0	8696	8535	8857	1.8	0.5	3.9
50.0	7166	7019	7312	2.0	0.5	3.8
55.0	5936	5803	6069	2.2	0.6	3.7

B57540G0203F000						
R/T No.	8415					
T (°C)	B _{0/100} = 3970 K, R ₂₅ = 20000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 1%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
60.0	4943	4823	5063	2.4	0.7	3.6
65.0	4136	4029	4244	2.6	0.7	3.5
70.0	3478	3381	3574	2.8	0.8	3.4
75.0	2937	2851	3024	3.0	0.9	3.3
80.0	2492	2414	2569	3.1	1.0	3.2
85.0	2123	2053	2192	3.3	1.0	3.2
90.0	1816	1753	1878	3.4	1.1	3.1
95.0	1559	1503	1615	3.6	1.2	3.0
100.0	1344	1293	1394	3.7	1.3	2.9
105.0	1162	1117	1207	3.9	1.4	2.9
110.0	1009	968.2	1049	4.0	1.4	2.8
115.0	878.6	842.0	915.3	4.2	1.5	2.7
120.0	767.7	734.7	800.8	4.3	1.6	2.7
125.0	672.9	643.1	702.7	4.4	1.7	2.6
130.0	591.6	564.6	618.6	4.6	1.8	2.5
135.0	521.6	497.1	546.1	4.7	1.9	2.5
140.0	461.2	439.0	483.4	4.8	2.0	2.4
145.0	408.9	388.7	429.1	4.9	2.1	2.4
150.0	363.5	345.2	381.9	5.1	2.2	2.3
155.0	324.0	307.2	340.7	5.2	2.3	2.3
160.0	289.5	274.2	304.7	5.3	2.4	2.2
165.0	259.2	245.3	273.2	5.4	2.5	2.2
170.0	232.7	219.9	245.5	5.5	2.6	2.1
175.0	209.4	197.6	221.1	5.6	2.7	2.1
180.0	188.8	178.0	199.6	5.7	2.8	2.0
185.0	170.6	160.7	180.5	5.8	2.9	2.0
190.0	154.5	145.3	163.6	5.9	3.0	2.0
195.0	140.1	131.7	148.5	6.0	3.1	1.9
200.0	127.4	119.6	135.2	6.1	3.2	1.9
205.0	116.0	108.8	123.2	6.2	3.3	1.9
210.0	105.8	99.20	112.5	6.3	3.5	1.8
215.0	96.75	90.58	102.9	6.4	3.6	1.8
220.0	88.58	82.86	94.30	6.5	3.7	1.7
225.0	81.24	75.92	86.56	6.5	3.8	1.7
230.0	74.63	69.68	79.58	6.6	3.9	1.7
235.0	68.67	64.06	73.28	6.7	4.1	1.6
240.0	63.28	58.98	67.58	6.8	4.2	1.6
245.0	58.40	54.38	62.41	6.9	4.3	1.6
250.0	53.98	50.22	57.73	7.0	4.5	1.6

B57540G0203G000						
R/T No.	8415					
T (°C)	B _{0/100} = 3970 K, R ₂₅ = 20000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 2%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	2065700	1919000	2212500	7.1	0.9	7.6
-50.0	1421600	1326800	1516400	6.7	0.9	7.3
-45.0	992390	930330	1054400	6.3	0.9	7.1
-40.0	702160	661030	743290	5.9	0.9	6.8
-35.0	503150	475580	530730	5.5	0.8	6.5
-30.0	364900	346220	383580	5.1	0.8	6.3
-25.0	267660	254880	280430	4.8	0.8	6.1
-20.0	198440	189630	207260	4.4	0.8	5.9
-15.0	148630	142500	154770	4.1	0.7	5.7
-10.0	112400	108110	116700	3.8	0.7	5.5
-5.0	85788	82759	88817	3.5	0.7	5.3
0.0	66048	63901	68195	3.3	0.6	5.2
5.0	51214	49687	52740	3.0	0.6	5.0
10.0	40034	38944	41124	2.7	0.6	4.8
15.0	31537	30757	32317	2.5	0.5	4.7
20.0	25027	24468	25585	2.2	0.5	4.6
25.0	20000	19600	20400	2.0	0.5	4.4
30.0	16090	15732	16448	2.2	0.5	4.3
35.0	13028	12710	13346	2.4	0.6	4.2
40.0	10613	10331	10894	2.7	0.7	4.0
45.0	8696	8448	8945	2.9	0.7	3.9
50.0	7166	6947	7385	3.1	0.8	3.8
55.0	5936	5743	6129	3.2	0.9	3.7
60.0	4943	4773	5113	3.4	1.0	3.6
65.0	4136	3987	4286	3.6	1.0	3.5
70.0	3478	3346	3610	3.8	1.1	3.4
75.0	2937	2821	3054	4.0	1.2	3.3
80.0	2492	2389	2595	4.1	1.3	3.2
85.0	2123	2031	2214	4.3	1.4	3.2
90.0	1816	1735	1897	4.5	1.4	3.1
95.0	1559	1487	1631	4.6	1.5	3.0
100.0	1344	1280	1408	4.8	1.6	2.9
105.0	1162	1105	1219	4.9	1.7	2.9
110.0	1009	957.8	1060	5.1	1.8	2.8
115.0	878.6	833.0	924.3	5.2	1.9	2.7
120.0	767.7	726.8	808.7	5.3	2.0	2.7
125.0	672.9	636.1	709.7	5.5	2.1	2.6
130.0	591.6	558.5	624.7	5.6	2.2	2.5
135.0	521.6	491.7	551.5	5.7	2.3	2.5

B57540G0203G000						
R/T No.	8415					
T (°C)	$B_{0/100} = 3970 \text{ K}, R_{25} = 20000 \Omega, T_R = 25 \text{ °C}, \Delta R_R/R_R = \pm 2\%$					
	$R_{nom}[\Omega]$	$R_{min}[\Omega]$	$R_{max}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm\text{°C}]$	$\alpha (\%/K)$
140.0	461.2	434.2	488.2	5.9	2.4	2.4
145.0	408.9	384.5	433.3	6.0	2.5	2.4
150.0	363.5	341.4	385.7	6.1	2.6	2.3
155.0	324.0	303.9	344.1	6.2	2.7	2.3
160.0	289.5	271.2	307.8	6.3	2.8	2.2
165.0	259.2	242.6	275.9	6.4	2.9	2.2
170.0	232.7	217.5	247.9	6.5	3.1	2.1
175.0	209.4	195.5	223.3	6.6	3.2	2.1
180.0	188.8	176.0	201.5	6.8	3.3	2.0
185.0	170.6	158.9	182.3	6.9	3.4	2.0
190.0	154.5	143.7	165.2	7.0	3.5	2.0
195.0	140.1	130.2	150.0	7.1	3.7	1.9
200.0	127.4	118.3	136.5	7.1	3.8	1.9
205.0	116.0	107.6	124.4	7.2	3.9	1.9
210.0	105.8	98.08	113.6	7.3	4.0	1.8
215.0	96.75	89.56	103.9	7.4	4.2	1.8
220.0	88.58	81.92	95.24	7.5	4.3	1.7
225.0	81.24	75.06	87.42	7.6	4.4	1.7
230.0	74.63	68.89	80.37	7.7	4.6	1.7
235.0	68.67	63.33	74.00	7.8	4.7	1.6
240.0	63.28	58.31	68.25	7.9	4.8	1.6
245.0	58.40	53.77	63.03	7.9	5.0	1.6
250.0	53.98	49.65	58.30	8.0	5.1	1.6

B57540G0203H000						
R/T No.	8415					
T (°C)	$B_{0/100} = 3970 \text{ K}, R_{25} = 20000 \Omega, T_R = 25 \text{ °C}, \Delta R_R/R_R = \pm 3\%$					
	$R_{nom}[\Omega]$	$R_{min}[\Omega]$	$R_{max}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm\text{°C}]$	$\alpha (\%/K)$
-55.0	2065700	1897300	2234200	8.2	1.1	7.6
-50.0	1421600	1311900	1531300	7.7	1.1	7.3
-45.0	992390	919990	1064800	7.3	1.0	7.1
-40.0	702160	653740	750570	6.9	1.0	6.8
-35.0	503150	470380	535930	6.5	1.0	6.5
-30.0	364900	342460	387340	6.1	1.0	6.3
-25.0	267660	252130	283180	5.8	1.0	6.1
-20.0	198440	187590	209290	5.5	0.9	5.9
-15.0	148630	140980	156280	5.1	0.9	5.7
-10.0	112400	106960	117840	4.8	0.9	5.5
-5.0	85788	81888	89688	4.5	0.9	5.3

B57540G0203H000						
R/T No.	8415					
T (°C)	B _{0/100} = 3970 K, R ₂₅ = 20000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 3%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
0.0	66048	63232	68864	4.3	0.8	5.2
5.0	51214	49170	53257	4.0	0.8	5.0
10.0	40034	38541	41527	3.7	0.8	4.8
15.0	31537	30440	32634	3.5	0.7	4.7
20.0	25027	24217	25836	3.2	0.7	4.6
25.0	20000	19400	20600	3.0	0.7	4.4
30.0	16090	15571	16609	3.2	0.8	4.3
35.0	13028	12579	13477	3.4	0.8	4.2
40.0	10613	10224	11001	3.7	0.9	4.0
45.0	8696	8360	9032	3.9	1.0	3.9
50.0	7166	6874	7457	4.1	1.1	3.8
55.0	5936	5683	6189	4.3	1.1	3.7
60.0	4943	4723	5163	4.5	1.2	3.6
65.0	4136	3945	4328	4.6	1.3	3.5
70.0	3478	3310	3645	4.8	1.4	3.4
75.0	2937	2791	3084	5.0	1.5	3.3
80.0	2492	2363	2620	5.2	1.6	3.2
85.0	2123	2010	2236	5.3	1.7	3.2
90.0	1816	1716	1915	5.5	1.8	3.1
95.0	1559	1471	1647	5.6	1.9	3.0
100.0	1344	1266	1422	5.8	2.0	2.9
105.0	1162	1093	1231	5.9	2.1	2.9
110.0	1009	947.4	1070	6.1	2.2	2.8
115.0	878.6	823.9	933.4	6.2	2.3	2.7
120.0	767.7	718.8	816.6	6.4	2.4	2.7
125.0	672.9	629.1	716.7	6.5	2.5	2.6
130.0	591.6	552.3	630.8	6.6	2.6	2.5
135.0	521.6	486.3	556.9	6.8	2.7	2.5
140.0	461.2	429.4	493.0	6.9	2.8	2.4
145.0	408.9	380.2	437.6	7.0	2.9	2.4
150.0	363.5	337.6	389.4	7.1	3.1	2.3
155.0	324.0	300.5	347.5	7.2	3.2	2.3
160.0	289.5	268.1	310.8	7.4	3.3	2.2
165.0	259.2	239.9	278.6	7.5	3.4	2.2
170.0	232.7	215.1	250.4	7.6	3.6	2.1
175.0	209.4	193.3	225.5	7.7	3.7	2.1
180.0	188.8	174.1	203.5	7.8	3.8	2.0
185.0	170.6	157.1	184.1	7.9	3.9	2.0
190.0	154.5	142.1	166.8	8.0	4.1	2.0
195.0	140.1	128.8	151.5	8.1	4.2	1.9

B57540G0203H000						
R/T No.	8415					
T (°C)	$B_{0/100} = 3970 \text{ K}, R_{25} = 20000 \text{ } \Omega, T_R = 25 \text{ } ^\circ\text{C}, \Delta R_R/R_R = \pm 3\%$					
	$R_{\text{nomL}}[\Omega]$	$R_{\text{minL}}[\Omega]$	$R_{\text{maxL}}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm^\circ\text{C}]$	$\alpha (\%/K)$
200.0	127.4	116.9	137.8	8.2	4.3	1.9
205.0	116.0	106.4	125.6	8.3	4.5	1.9
210.0	105.8	96.97	114.7	8.4	4.6	1.8
215.0	96.75	88.54	104.9	8.5	4.8	1.8
220.0	88.58	80.99	96.17	8.6	4.9	1.7
225.0	81.24	74.21	88.27	8.7	5.1	1.7
230.0	74.63	68.11	81.15	8.7	5.2	1.7
235.0	68.67	62.61	74.73	8.8	5.3	1.6
240.0	63.28	57.64	68.92	8.9	5.5	1.6
245.0	58.40	53.15	63.65	9.0	5.7	1.6
250.0	53.98	49.08	58.87	9.1	5.8	1.6

B57540G0203J000						
R/T No.	8415					
T (°C)	$B_{0/100} = 3970 \text{ K}, R_{25} = 20000 \text{ } \Omega, T_R = 25 \text{ } ^\circ\text{C}, \Delta R_R/R_R = \pm 5\%$					
	$R_{\text{nomL}}[\Omega]$	$R_{\text{minL}}[\Omega]$	$R_{\text{maxL}}[\Omega]$	$\Delta R_R/R_R[\pm\%]$	$\Delta T[\pm^\circ\text{C}]$	$\alpha (\%/K)$
-55.0	2065700	1853900	2277600	10.3	1.3	7.6
-50.0	1421600	1282200	1561000	9.8	1.3	7.3
-45.0	992390	899320	1085500	9.4	1.3	7.1
-40.0	702160	639170	765150	9.0	1.3	6.8
-35.0	503150	459970	546340	8.6	1.3	6.5
-30.0	364900	334940	394860	8.2	1.3	6.3
-25.0	267660	246630	288680	7.9	1.3	6.1
-20.0	198440	183530	213360	7.5	1.3	5.9
-15.0	148630	137950	159320	7.2	1.3	5.7
-10.0	112400	104670	120130	6.9	1.3	5.5
-5.0	85788	80147	91430	6.6	1.2	5.3
0.0	66048	61895	70201	6.3	1.2	5.2
5.0	51214	48136	54292	6.0	1.2	5.0
10.0	40034	37735	42333	5.7	1.2	4.8
15.0	31537	29807	33267	5.5	1.2	4.7
20.0	25027	23716	26338	5.2	1.2	4.6
25.0	20000	19000	21000	5.0	1.1	4.4
30.0	16090	15249	16932	5.2	1.2	4.3
35.0	13028	12317	13738	5.5	1.3	4.2
40.0	10613	10011	11215	5.7	1.4	4.0
45.0	8696	8185	9208	5.9	1.5	3.9
50.0	7166	6729	7602	6.1	1.6	3.8
55.0	5936	5563	6309	6.3	1.7	3.7

B57540G0203J000						
R/T No.	8415					
T (°C)	B _{0/100} = 3970 K, R ₂₅ = 20000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 5%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
60.0	4943	4623	5263	6.5	1.8	3.6
65.0	4136	3861	4412	6.7	1.9	3.5
70.0	3478	3240	3716	6.8	2.0	3.4
75.0	2937	2731	3144	7.0	2.1	3.3
80.0	2492	2312	2671	7.2	2.2	3.2
85.0	2123	1966	2279	7.4	2.3	3.2
90.0	1816	1679	1952	7.5	2.4	3.1
95.0	1559	1439	1679	7.7	2.6	3.0
100.0	1344	1238	1449	7.8	2.7	2.9
105.0	1162	1069	1255	8.0	2.8	2.9
110.0	1009	926.7	1091	8.1	2.9	2.8
115.0	878.6	805.8	951.5	8.3	3.0	2.7
120.0	767.7	703.0	832.5	8.4	3.2	2.7
125.0	672.9	615.2	730.6	8.6	3.3	2.6
130.0	591.6	540.1	643.1	8.7	3.4	2.5
135.0	521.6	475.5	567.7	8.8	3.5	2.5
140.0	461.2	419.9	502.6	9.0	3.7	2.4
145.0	408.9	371.7	446.1	9.1	3.8	2.4
150.0	363.5	330.0	397.0	9.2	4.0	2.3
155.0	324.0	293.7	354.2	9.3	4.1	2.3
160.0	289.5	262.1	316.8	9.4	4.2	2.2
165.0	259.2	234.5	284.0	9.6	4.4	2.2
170.0	232.7	210.2	255.2	9.7	4.5	2.1
175.0	209.4	188.9	229.9	9.8	4.7	2.1
180.0	188.8	170.1	207.5	9.9	4.8	2.0
185.0	170.6	153.5	187.6	10.0	5.0	2.0
190.0	154.5	138.9	170.1	10.1	5.1	2.0
195.0	140.1	125.8	154.4	10.2	5.3	1.9
200.0	127.4	114.3	140.5	10.3	5.5	1.9
205.0	116.0	103.9	128.1	10.4	5.6	1.9
210.0	105.8	94.74	117.0	10.5	5.8	1.8
215.0	96.75	86.51	107.0	10.6	5.9	1.8
220.0	88.58	79.12	98.04	10.7	6.1	1.7
225.0	81.24	72.49	89.99	10.8	6.3	1.7
230.0	74.63	66.53	82.73	10.9	6.5	1.7
235.0	68.67	61.15	76.18	10.9	6.6	1.6
240.0	63.28	56.30	70.25	11.0	6.8	1.6
245.0	58.40	51.91	64.89	11.1	7.0	1.6
250.0	53.98	47.94	60.02	11.2	7.2	1.6

B57540G0303F000						
R/T No.	8415					
T (°C)	B _{0/100} = 3970 K, R ₂₅ = 30000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 1%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	3098600	2911000	3286200	6.1	0.8	7.6
-50.0	2132400	2012500	2252300	5.6	0.8	7.3
-45.0	1488600	1411000	1566200	5.2	0.7	7.1
-40.0	1053200	1002500	1104000	4.8	0.7	6.8
-35.0	754730	721180	788290	4.4	0.7	6.5
-30.0	547350	524980	569730	4.1	0.6	6.3
-25.0	401480	386440	416520	3.7	0.6	6.1
-20.0	297660	287490	307840	3.4	0.6	5.9
-15.0	222950	216020	229870	3.1	0.5	5.7
-10.0	168610	163880	173330	2.8	0.5	5.5
-5.0	128680	125450	131920	2.5	0.5	5.3
0.0	99072	96854	101290	2.2	0.4	5.2
5.0	76820	75306	78335	2.0	0.4	5.0
10.0	60051	59021	61081	1.7	0.4	4.8
15.0	47305	46611	48000	1.5	0.3	4.7
20.0	37540	37078	38002	1.2	0.3	4.6
25.0	30000	29700	30300	1.0	0.2	4.4
30.0	24135	23840	24430	1.2	0.3	4.3
35.0	19542	19261	19823	1.4	0.3	4.2
40.0	15919	15657	16181	1.6	0.4	4.0
45.0	13044	12803	13285	1.8	0.5	3.9
50.0	10748	10529	10968	2.0	0.5	3.8
55.0	8904	8705	9104	2.2	0.6	3.7
60.0	7415	7235	7594	2.4	0.7	3.6
65.0	6205	6043	6366	2.6	0.7	3.5
70.0	5217	5072	5362	2.8	0.8	3.4
75.0	4406	4276	4536	3.0	0.9	3.3
80.0	3738	3621	3854	3.1	1.0	3.2
85.0	3184	3080	3288	3.3	1.0	3.2
90.0	2723	2630	2817	3.4	1.1	3.1
95.0	2338	2255	2422	3.6	1.2	3.0
100.0	2015	1940	2091	3.7	1.3	2.9
105.0	1743	1676	1811	3.9	1.4	2.9
110.0	1513	1452	1574	4.0	1.4	2.8
115.0	1318	1263	1373	4.2	1.5	2.7
120.0	1152	1102	1201	4.3	1.6	2.7
125.0	1009	964.6	1054	4.4	1.7	2.6
130.0	887.4	846.9	927.9	4.6	1.8	2.5
135.0	782.4	745.7	819.1	4.7	1.9	2.5

B57540G0303F000						
R/T No.	8415					
T (°C)	B _{0/100} = 3970 K, R ₂₅ = 30000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 1%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
140.0	691.8	658.5	725.1	4.8	2.0	2.4
145.0	613.4	583.1	643.6	4.9	2.1	2.4
150.0	545.3	517.7	572.8	5.1	2.2	2.3
155.0	486.0	460.9	511.1	5.2	2.3	2.3
160.0	434.2	411.3	457.1	5.3	2.4	2.2
165.0	388.9	367.9	409.8	5.4	2.5	2.2
170.0	349.1	329.9	368.3	5.5	2.6	2.1
175.0	314.1	296.5	331.7	5.6	2.7	2.1
180.0	283.2	267.0	299.3	5.7	2.8	2.0
185.0	255.9	241.0	270.7	5.8	2.9	2.0
190.0	231.7	218.0	245.4	5.9	3.0	2.0
195.0	210.2	197.6	222.8	6.0	3.1	1.9
200.0	191.1	179.4	202.7	6.1	3.2	1.9
205.0	174.0	163.2	184.8	6.2	3.3	1.9
210.0	158.8	148.8	168.7	6.3	3.5	1.8
215.0	145.1	135.9	154.4	6.4	3.6	1.8
220.0	132.9	124.3	141.5	6.5	3.7	1.7
225.0	121.9	113.9	129.8	6.5	3.8	1.7
230.0	111.9	104.5	119.4	6.6	3.9	1.7
235.0	103.0	96.08	109.9	6.7	4.1	1.6
240.0	94.92	88.47	101.4	6.8	4.2	1.6
245.0	87.60	81.58	93.62	6.9	4.3	1.6
250.0	80.96	75.34	86.59	7.0	4.5	1.6

B57540G0303G000						
R/T No.	8415					
T (°C)	B _{0/100} = 3970 K, R ₂₅ = 30000 Ω, T _R = 25 °C, ΔR _R /R _R = ± 2%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [±%]	ΔT[±°C]	α (%/K)
-55.0	3098600	2878500	3318700	7.1	0.9	7.6
-50.0	2132400	1990200	2274600	6.7	0.9	7.3
-45.0	1488600	1395500	1581700	6.3	0.9	7.1
-40.0	1053200	991540	1114900	5.9	0.9	6.8
-35.0	754730	713370	796090	5.5	0.8	6.5
-30.0	547350	519330	575370	5.1	0.8	6.3
-25.0	401480	382320	420650	4.8	0.8	6.1
-20.0	297660	284440	310890	4.4	0.8	5.9
-15.0	222950	213750	232150	4.1	0.7	5.7
-10.0	168610	162160	175050	3.8	0.7	5.5
-5.0	128680	124140	133230	3.5	0.7	5.3