

$$R_t = R_0 (1 + At + Bt^2)$$

R_t = resistance in Ohms at temperature t

R_0 = nominal resistance at 0 °C

t = temperature in °C

$A =$ 0.0039083

$B =$ -0.0000005775

$R_0 =$ 100

Class B tolerance in °C = +/- (0.3 + 0.005t)

Temperature Coefficient 0.00385 Ohms/Ohm/°C

Temp. °C	Resistance Ω	Tolerance °C	Temp. °C	Resistance Ω	Tolerance °C	Temp. °C	Resistance Ω	Tolerance °C	Temp. °C	Resistance Ω	Tolerance °C	Temp. °C	Resistance Ω	Tolerance °C
0	100.00	0.300	21	108.18	0.405	41	115.93	0.505	61	123.63	0.605	81	131.28	0.705
1	100.39	0.305	22	108.57	0.410	42	116.31	0.510	62	124.01	0.610	82	131.66	0.710
2	100.78	0.310	23	108.96	0.415	43	116.70	0.515	63	124.39	0.615	83	132.04	0.715
3	101.17	0.315	24	109.35	0.420	44	117.08	0.520	64	124.78	0.620	84	132.42	0.720
4	101.56	0.320	25	109.73	0.425	45	117.47	0.525	65	125.16	0.625	85	132.80	0.725
5	101.95	0.325	26	110.12	0.430	46	117.86	0.530	66	125.54	0.630	86	133.18	0.730
6	102.34	0.330	27	110.51	0.435	47	118.24	0.535	67	125.93	0.635	87	133.57	0.735
7	102.73	0.335	28	110.90	0.440	48	118.63	0.540	68	126.31	0.640	88	133.95	0.740
8	103.12	0.340	29	111.29	0.445	49	119.01	0.545	69	126.69	0.645	89	134.33	0.745
9	103.51	0.345	30	111.67	0.450	50	119.40	0.550	70	127.08	0.650	90	134.71	0.750
10	103.90	0.350	31	112.06	0.455	51	119.78	0.555	71	127.46	0.655	91	135.09	0.755
11	104.29	0.355	32	112.45	0.460	52	120.17	0.560	72	127.84	0.660	92	135.47	0.760
12	104.68	0.360	33	112.83	0.465	53	120.55	0.565	73	128.22	0.665	93	135.85	0.765
13	105.07	0.365	34	113.22	0.470	54	120.94	0.570	74	128.61	0.670	94	136.23	0.770
14	105.46	0.370	35	113.61	0.475	55	121.32	0.575	75	128.99	0.675	95	136.61	0.775
15	105.85	0.375	36	114.00	0.480	56	121.71	0.580	76	129.37	0.680	96	136.99	0.780
16	106.24	0.380	37	114.38	0.485	57	122.09	0.585	77	129.75	0.685	97	137.37	0.785
17	106.63	0.385	38	114.77	0.490	58	122.47	0.590	78	130.13	0.690	98	137.75	0.790
18	107.02	0.390	39	115.15	0.495	59	122.86	0.595	79	130.52	0.695	99	138.13	0.795
19	107.40	0.395	40	115.54	0.500	60	123.24	0.600	80	130.90	0.700	100	138.51	0.800
20	107.79	0.400												

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101	138.88	0.805	121	146.44	0.905	141	153.96	1.005	161	161.43	1.105	181	168.85	1.205
102	139.26	0.810	122	146.82	0.910	142	154.33	1.010	162	161.80	1.110	182	169.22	1.210
103	139.64	0.815	123	147.20	0.915	143	154.71	1.015	163	162.17	1.115	183	169.59	1.215
104	140.02	0.820	124	147.57	0.920	144	155.08	1.020	164	162.54	1.120	184	169.96	1.220
105	140.40	0.825	125	147.95	0.925	145	155.46	1.025	165	162.91	1.125	185	170.33	1.225
106	140.78	0.830	126	148.33	0.930	146	155.83	1.030	166	163.29	1.130	186	170.70	1.230
107	141.16	0.835	127	148.70	0.935	147	156.20	1.035	167	163.66	1.135	187	171.07	1.235
108	141.54	0.840	128	149.08	0.940	148	156.58	1.040	168	164.03	1.140	188	171.43	1.240
109	141.91	0.845	129	149.46	0.945	149	156.95	1.045	169	164.40	1.145	189	171.80	1.245
110	142.29	0.850	130	149.83	0.950	150	157.33	1.050	170	164.77	1.150	190	172.17	1.250
111	142.67	0.855	131	150.21	0.955	151	157.70	1.055	171	165.14	1.155	191	172.54	1.255
112	143.05	0.860	132	150.58	0.960	152	158.07	1.060	172	165.51	1.160	192	172.91	1.260
113	143.43	0.865	133	150.96	0.965	153	158.45	1.065	173	165.89	1.165	193	173.28	1.265
114	143.80	0.870	134	151.33	0.970	154	158.82	1.070	174	166.26	1.170	194	173.65	1.270
115	144.18	0.875	135	151.71	0.975	155	159.19	1.075	175	166.63	1.175	195	174.02	1.275
116	144.56	0.880	136	152.08	0.980	156	159.56	1.080	176	167.00	1.180	196	174.38	1.280
117	144.94	0.885	137	152.46	0.985	157	159.94	1.085	177	167.37	1.185	197	174.75	1.285
118	145.31	0.890	138	152.83	0.990	158	160.31	1.090	178	167.74	1.190	198	175.12	1.290
119	145.69	0.895	139	153.21	0.995	159	160.68	1.095	179	168.11	1.195	199	175.49	1.295
120	146.07	0.900	140	153.58	1.000	160	161.05	1.100	180	168.48	1.200	200	175.86	1.300

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201	176.22	1.305	221	183.55	1.405	241	190.84	1.505	261	198.07	1.605	281	205.26	1.705
202	176.59	1.310	222	183.92	1.410	242	191.20	1.510	262	198.43	1.610	282	205.62	1.710
203	176.96	1.315	223	184.28	1.415	243	191.56	1.515	263	198.79	1.615	283	205.98	1.715
204	177.33	1.320	224	184.65	1.420	244	191.92	1.520	264	199.15	1.620	284	206.34	1.720
205	177.69	1.325	225	185.01	1.425	245	192.29	1.525	265	199.51	1.625	285	206.70	1.725
206	178.06	1.330	226	185.38	1.430	246	192.65	1.530	266	199.87	1.630	286	207.05	1.730
207	178.43	1.335	227	185.74	1.435	247	193.01	1.535	267	200.23	1.635	287	207.41	1.735
208	178.79	1.340	228	186.11	1.440	248	193.37	1.540	268	200.59	1.640	288	207.77	1.740
209	179.16	1.345	229	186.47	1.445	249	193.74	1.545	269	200.95	1.645	289	208.13	1.745
210	179.53	1.350	230	186.84	1.450	250	194.10	1.550	270	201.31	1.650	290	208.48	1.750
211	179.89	1.355	231	187.20	1.455	251	194.46	1.555	271	201.67	1.655	291	208.84	1.755
212	180.26	1.360	232	187.56	1.460	252	194.82	1.560	272	202.03	1.660	292	209.20	1.760
213	180.63	1.365	233	187.93	1.465	253	195.18	1.565	273	202.39	1.665	293	209.56	1.765
214	180.99	1.370	234	188.29	1.470	254	195.55	1.570	274	202.75	1.670	294	209.91	1.770
215	181.36	1.375	235	188.66	1.475	255	195.91	1.575	275	203.11	1.675	295	210.27	1.775
216	181.72	1.380	236	189.02	1.480	256	196.27	1.580	276	203.47	1.680	296	210.63	1.780
217	182.09	1.385	237	189.38	1.485	257	196.63	1.585	277	203.83	1.685	297	210.98	1.785
218	182.46	1.390	238	189.75	1.490	258	196.99	1.590	278	204.19	1.690	298	211.34	1.790
219	182.82	1.395	239	190.11	1.495	259	197.35	1.595	279	204.55	1.695	299	211.70	1.795
220	183.19	1.400	240	190.47	1.500	260	197.71	1.600	280	204.90	1.700	300	212.05	1.800

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301	212.41	1.805	321	219.51	1.905	341	226.56	2.005	361	233.56	2.105	381	240.52	2.205
302	212.76	1.810	322	219.86	1.910	342	226.91	2.010	362	233.91	2.110	382	240.87	2.210
303	213.12	1.815	323	220.21	1.915	343	227.26	2.015	363	234.26	2.115	383	241.22	2.215
304	213.48	1.820	324	220.57	1.920	344	227.61	2.020	364	234.61	2.120	384	241.56	2.220
305	213.83	1.825	325	220.92	1.925	345	227.96	2.025	365	234.96	2.125	385	241.91	2.225
306	214.19	1.830	326	221.27	1.930	346	228.31	2.030	366	235.31	2.130	386	242.26	2.230
307	214.54	1.835	327	221.63	1.935	347	228.66	2.035	367	235.66	2.135	387	242.60	2.235
308	214.90	1.840	328	221.98	1.940	348	229.02	2.040	368	236.00	2.140	388	242.95	2.240
309	215.25	1.845	329	222.33	1.945	349	229.37	2.045	369	236.35	2.145	389	243.29	2.245
310	215.61	1.850	330	222.68	1.950	350	229.72	2.050	370	236.70	2.150	390	243.64	2.250
311	215.96	1.855	331	223.04	1.955	351	230.07	2.055	371	237.05	2.155	391	243.99	2.255
312	216.32	1.860	332	223.39	1.960	352	230.42	2.060	372	237.40	2.160	392	244.33	2.260
313	216.67	1.865	333	223.74	1.965	353	230.77	2.065	373	237.74	2.165	393	244.68	2.265
314	217.03	1.870	334	224.09	1.970	354	231.12	2.070	374	238.09	2.170	394	245.02	2.270
315	217.38	1.875	335	224.45	1.975	355	231.47	2.075	375	238.44	2.175	395	245.37	2.275
316	217.74	1.880	336	224.80	1.980	356	231.82	2.080	376	238.79	2.180	396	245.71	2.280
317	218.09	1.885	337	225.15	1.985	357	232.17	2.085	377	239.13	2.185	397	246.06	2.285
318	218.44	1.890	338	225.50	1.990	358	232.52	2.090	378	239.48	2.190	398	246.40	2.290
319	218.80	1.895	339	225.85	1.995	359	232.87	2.095	379	239.83	2.195	399	246.75	2.295
320	219.15	1.900	340	226.21	2.000	360	233.21	2.100	380	240.18	2.200	400	247.09	2.300

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401	247.44	2.305	421	254.30	2.405	441	261.12	2.505	461	267.90	2.605	481	274.63	2.705
402	247.78	2.310	422	254.65	2.410	442	261.46	2.510	462	268.24	2.610	482	274.96	2.710
403	248.13	2.315	423	254.99	2.415	443	261.80	2.515	463	268.57	2.615	483	275.30	2.715
404	248.47	2.320	424	255.33	2.420	444	262.14	2.520	464	268.91	2.620	484	275.63	2.720
405	248.81	2.325	425	255.67	2.425	445	262.48	2.525	465	269.25	2.625	485	275.97	2.725
406	249.16	2.330	426	256.01	2.430	446	262.82	2.530	466	269.59	2.630	486	276.30	2.730
407	249.50	2.335	427	256.35	2.435	447	263.16	2.535	467	269.92	2.635	487	276.64	2.735
408	249.85	2.340	428	256.70	2.440	448	263.50	2.540	468	270.26	2.640	488	276.97	2.740
409	250.19	2.345	429	257.04	2.445	449	263.84	2.545	469	270.60	2.645	489	277.31	2.745
410	250.53	2.350	430	257.38	2.450	450	264.18	2.550	470	270.93	2.650	490	277.64	2.750
411	250.88	2.355	431	257.72	2.455	451	264.52	2.555	471	271.27	2.655	491	277.98	2.755
412	251.22	2.360	432	258.06	2.460	452	264.86	2.560	472	271.61	2.660	492	278.31	2.760
413	251.56	2.365	433	258.40	2.465	453	265.20	2.565	473	271.94	2.665	493	278.64	2.765
414	251.91	2.370	434	258.74	2.470	454	265.53	2.570	474	272.28	2.670	494	278.98	2.770
415	252.25	2.375	435	259.08	2.475	455	265.87	2.575	475	272.61	2.675	495	279.31	2.775
416	252.59	2.380	436	259.42	2.480	456	266.21	2.580	476	272.95	2.680	496	279.64	2.780
417	252.93	2.385	437	259.76	2.485	457	266.55	2.585	477	273.29	2.685	497	279.98	2.785
418	253.28	2.390	438	260.10	2.490	458	266.89	2.590	478	273.62	2.690	498	280.31	2.790
419	253.62	2.395	439	260.44	2.495	459	267.22	2.595	479	273.96	2.695	499	280.64	2.795
420	253.96	2.400	440	260.78	2.500	460	267.56	2.600	480	274.29	2.700	500	280.98	2.800