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TECHNOLOGY GROUP

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Expert team | Trust guarantee | 100% satisfaction

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	Temp.(C)	Resistance
Low	0	32650.9
Mid	25	10000.0
High	70	1751.6

ln(R1)-ln(R2)	1.18328733
ln(R1)-ln(R3)	2.92534276
(1/T1)-(1/T2)	0.00030698
(1/T1)-(1/T3)	0.00074681

A	0.00112915
B	0.00023412
C	8.7674E-08

Solving for R, given T

Degrees C	25.1	298.3
Resistance(Ohms)	9956.24	
dR/dT	-436.50579	
%dR/dT	-4.384243	

Solving for T, given R

Ohms	10000	
Temperature (C)	25.00	-12.0

Temp(C)	Resistance	dR/dT	%dR/dT
0	32650.9	-1620	-4.96
1	31030.8	-1575	-5.08
2	29500.5	-1488	-5.04
3	28054.4	-1406	-5.01
4	26687.5	-1330	-4.98
5	25395.0	-1257	-4.95
6	24172.5	-1190	-4.92
7	23015.9	-1126	-4.89
8	21921.2	-1066	-4.86
9	20884.7	-1009	-4.83
10	19903.2	-956	-4.80
11	18973.3	-906	-4.77
12	18092.2	-858	-4.74
13	17256.9	-814	-4.71
14	16464.9	-772	-4.69
15	15713.7	-732	-4.66
16	15000.9	-695	-4.63
17	14324.5	-659	-4.60
18	13682.3	-626	-4.58
19	13072.6	-595	-4.55
20	12493.3	-565	-4.52
21	11943.0	-537	-4.49
22	11419.9	-510	-4.47
23	10922.7	-485	-4.44
24	10449.8	-461	-4.41
25	10000.0	-439	-4.39
26	9572.0	-418	-4.36
27	9164.7	-398	-4.34
28	8777.0	-378	-4.31
29	8407.7	-360	-4.29
30	8056.1	-343	-4.26
31	7721.0	-327	-4.24
32	7401.7	-312	-4.21
33	7097.3	-297	-4.19
34	6807.1	-284	-4.16
35	6530.3	-270	-4.14
36	6266.2	-258	-4.12
37	6014.3	-246	-4.09
38	5773.8	-235	-4.07
39	5544.2	-224	-4.05
40	5325.0	-214	-4.02
41	5115.6	-205	-4.00
42	4915.6	-196	-3.98
43	4724.4	-187	-3.96
44	4541.7	-179	-3.93
45	4367.0	-171	-3.91
46	4200.0	-163	-3.89
47	4040.2	-156	-3.87
48	3887.4	-150	-3.85
49	3741.1	-143	-3.83
50	3601.1	-137	-3.80
51	3467.0	-131	-3.78
52	3338.7	-126	-3.76

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Temp(C)	Resistance	dR/dT	%dR/dT
53	3215.8	-120	-3.74
54	3098.0	-115	-3.72
55	2985.2	-110	-3.70
56	2877.0	-106	-3.68
57	2773.3	-102	-3.66
58	2673.9	-97	-3.64
59	2578.6	-93	-3.62
60	2487.1	-90	-3.60
61	2399.4	-86	-3.58
62	2315.2	-83	-3.56
63	2234.4	-79	-3.54
64	2156.8	-76	-3.53
65	2082.3	-73	-3.51
66	2010.8	-70	-3.49
67	1942.1	-67	-3.47
68	1876.0	-65	-3.45
69	1812.6	-62	-3.43
70	1751.6	-60	-3.41
71	1693.0	-58	-3.40
72	1636.6	-55	-3.38
73	1582.4	-53	-3.36
74	1530.2	-51	-3.34
75	1480.1	-49	-3.33
76	1431.8	-47	-3.31
77	1385.3	-46	-3.29
78	1340.6	-44	-3.27
79	1297.5	-42	-3.26
80	1256.1	-41	-3.24
81	1216.1	-39	-3.22
82	1177.7	-38	-3.21
83	1140.6	-36	-3.19
84	1104.9	-35	-3.17
85	1070.5	-34	-3.16
86	1037.3	-33	-3.14
87	1005.3	-31	-3.13
88	974.4	-30	-3.11
89	944.7	-29	-3.09
90	916.0	-28	-3.08
91	888.3	-27	-3.06
92	861.5	-26	-3.05
93	835.8	-25	-3.03
94	810.9	-24	-3.02
95	786.8	-24	-3.00
96	763.6	-23	-2.99
97	741.2	-22	-2.97
98	719.6	-21	-2.96
99	698.6	-21	-2.94
100	678.4	-20	-2.93
101	658.9	-19	-2.91
102	640.0	-19	-2.90
103	621.8	-18	-2.89
104	604.2	-17	-2.87
105	587.1	-17	-2.86
106	570.6	-16	-2.84

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Temp(C)	Resistance	dR/dT	%dR/dT
107	554.6	-16	-2.83
108	539.2	-15	-2.82
109	524.3	-15	-2.80
110	509.8	-14	-2.79
111	495.9	-14	-2.77
112	482.3	-13	-2.76
113	469.2	-13	-2.75
114	456.5	-12	-2.74
115	444.2	-12	-2.72
116	432.3	-12	-2.71
117	420.8	-11	-2.70
118	409.7	-11	-2.68
119	398.8	-11	-2.67
120	388.4	-10	-2.66
121	378.2	-10	-2.65
122	368.3	-10	-2.63
123	358.8	-9	-2.62
124	349.5	-9	-2.61
125	340.6	-9	-2.60
126	331.9	-9	-2.58
127	323.4	-8	-2.57
128	315.2	-8	-2.56
129	307.3	-8	-2.55
130	299.6	-8	-2.54
131	292.1	-7	-2.52
132	284.8	-7	-2.51
133	277.8	-7	-2.50
134	270.9	-7	-2.49
135	264.3	-7	-2.48
136	257.8	-6	-2.47
137	251.6	-6	-2.46
138	245.5	-6	-2.44
139	239.6	-6	-2.43
140	233.8	-6	-2.42
141	228.2	-6	-2.41
142	222.8	-5	-2.40
143	217.6	-5	-2.39
144	212.4	-5	-2.38
145	207.4	-5	-2.37
146	202.6	-5	-2.36
147	197.9	-5	-2.35
148	193.3	-5	-2.34
149	188.9	-4	-2.33
150	184.5	-4	-2.31
151	180.3	-4	-2.30
152	176.2	-4	-2.29
153	172.2	-4	-2.28
154	168.4	-4	-2.27
155	164.6	-4	-2.26
156	160.9	-4	-2.25
157	157.3	-4	-2.24
158	153.8	-3	-2.23
159	150.4	-3	-2.22
160	147.1	-3	-2.21

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Temp(C)	Resistance	dR/dT	%dR/dT
161	143.9	-3	-2.21
162	140.8	-3	-2.20
163	137.7	-3	-2.19
164	134.8	-3	-2.18
165	131.9	-3	-2.17
166	129.1	-3	-2.16
167	126.3	-3	-2.15
168	123.6	-3	-2.14
169	121.0	-3	-2.13
170	118.5	-3	-2.12
171	116.0	-2	-2.11
172	113.6	-2	-2.10
173	111.2	-2	-2.09
174	108.9	-2	-2.08
175	106.7	-2	-2.08
176	104.5	-2	-2.07
177	102.4	-2	-2.06
178	100.3	-2	-2.05
179	98.2	-2	-2.04
180	96.3	-2	-2.03
181	94.3	-2	-2.02
182	92.4	-2	-2.02
183	90.6	-2	-2.01
184	88.8	-2	-2.00
185	87.1	-2	-1.99
186	85.3	-2	-1.98
187	83.7	-2	-1.97
188	82.0	-2	-1.97
189	80.4	-2	-1.96
190	78.9	-2	-1.95

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