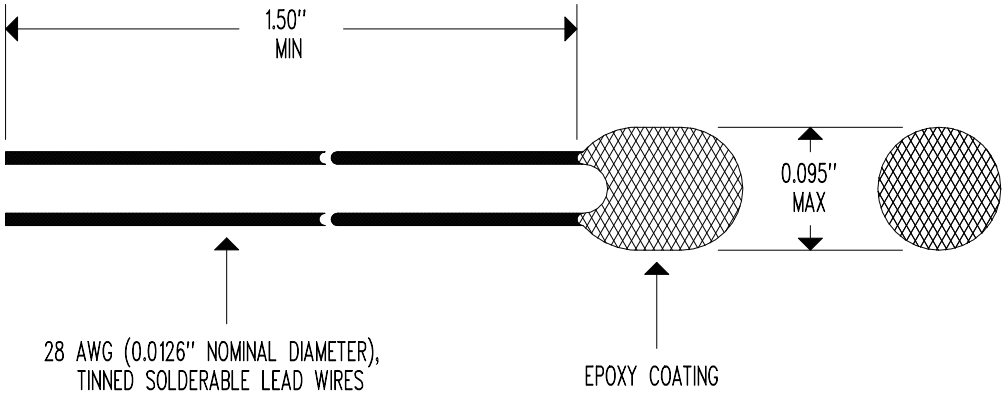

0	INITIAL RELEASE	11/19/2018	DD
REV	DESCRIPTION	DATE	APP
REVISION HISTORY			

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	DRAWN BY: DAN DANKERT	
	SCALE: NONE	LAYER: 0 OF 2
P/N EBL30J302	REV: 0	DATE: 11/19/2018

RESISTANCE @ +25°C = 3,000 Ω ± 5%
RESISTANCE/TEMPERATURE CURVE = "30"
BETA "β" (0 TO +50°C) = 3,892°K NOMINAL
TEMPERATURE COEFFICIENT @ +25°C = −4.39%/°C NOMINAL
DISSIPATION CONSTANT = 1 mW/°C NOMINAL (AIR)
THERMAL TIME CONSTANT = 10 SECONDS NOMINAL (AIR)
MAXIMUM TEMPERATURE RATING = +150°C

ROHS COMPLIANT

EI Sensor Technologies

Resistance Versus Temperature Table

P/N EBL30J302 Revision "0"

Resistance @ +25°C = 3,000 Ω

Temperature (°C)	Temperature (°F)	Resistance Ratio (R@x°C/R@+25°C)	Resistance (Ω Nominal)
-55	-67.0	95.9640	287,892
-54	-65.2	89.1579	267,474
-53	-63.4	82.8783	248,635
-52	-61.6	77.0814	231,244
-51	-59.8	71.7271	215,181
-50	-58.0	66.7790	200,337
-49	-56.2	62.2034	186,610
-48	-54.4	57.9704	173,911
-47	-52.6	54.0522	162,157
-46	-50.8	50.4235	151,271
-45	-49.0	47.0614	141,184
-44	-47.2	43.9446	131,834
-43	-45.4	41.0538	123,161
-42	-43.6	38.3713	115,114
-41	-41.8	35.8808	107,642
-40	-40.0	33.5676	100,703
-39	-38.2	31.4180	94,254
-38	-36.4	29.4194	88,258
-37	-34.6	27.5603	82,681
-36	-32.8	25.8303	77,491
-35	-31.0	24.2196	72,659
-34	-29.2	22.7193	68,158
-33	-27.4	21.3212	63,964
-32	-25.6	20.0177	60,053
-31	-23.8	18.8020	56,406
-30	-22.0	17.6675	53,003

Temperature (°C)	Temperature (°F)	Resistance Ratio (R@x°C/R@+25°C)	Resistance (Ω Nominal)
-29	-20.2	16.6084	49,825
-28	-18.4	15.6193	46,858
-27	-16.6	14.6952	44,086
-26	-14.8	13.8314	41,494
-25	-13.0	13.0235	39,071
-24	-11.2	12.2678	36,803
-23	-9.4	11.5605	34,682
-22	-7.6	10.8983	32,695
-21	-5.8	10.2780	30,834
-20	-4.0	9.6967	29,090
-19	-2.2	9.1518	27,455
-18	-0.4	8.6408	25,922
-17	1.4	8.1614	24,484
-16	3.2	7.7115	23,135
-15	5.0	7.2890	21,867
-14	6.8	6.8922	20,677
-13	8.6	6.5194	19,558
-12	10.4	6.1689	18,507
-11	12.2	5.8394	17,518
-10	14.0	5.5294	16,588
-9	15.8	5.2377	15,713
-8	17.6	4.9631	14,889
-7	19.4	4.7045	14,114
-6	21.2	4.4609	13,383
-5	23.0	4.2313	12,694
-4	24.8	4.0149	12,045
-3	26.6	3.8108	11,432
-2	28.4	3.6183	10,855
-1	30.2	3.4366	10,310
0	32.0	3.2651	9,795.3
1	33.8	3.1031	9,309.3
2	35.6	2.9501	8,850.3
3	37.4	2.8055	8,416.5
4	39.2	2.6688	8,006.4
5	41.0	2.5396	7,618.7
6	42.8	2.4173	7,252.0
7	44.6	2.3017	6,905.0
8	46.4	2.1922	6,576.5
9	48.2	2.0885	6,265.6
10	50.0	1.9904	5,971.1

Temperature (°C)	Temperature (°F)	Resistance Ratio (R@x°C/R@+25°C)	Resistance (Ω Nominal)
11	51.8	1.8974	5,692.2
12	53.6	1.8093	5,427.8
13	55.4	1.7257	5,177.2
14	57.2	1.6465	4,939.6
15	59.0	1.5714	4,714.2
16	60.8	1.5001	4,500.4
17	62.6	1.4325	4,297.4
18	64.4	1.3683	4,104.8
19	66.2	1.3073	3,921.8
20	68.0	1.2494	3,748.1
21	69.8	1.1943	3,582.9
22	71.6	1.1420	3,426.0
23	73.4	1.0923	3,276.8
24	75.2	1.0450	3,134.9
25	77.0	1.0000	3,000.0
26	78.8	0.95720	2,871.6
27	80.6	0.91647	2,749.4
28	82.4	0.87769	2,633.1
29	84.2	0.84077	2,522.3
30	86.0	0.80560	2,416.8
31	87.8	0.77209	2,316.3
32	89.6	0.74016	2,220.5
33	91.4	0.70972	2,129.2
34	93.2	0.68069	2,042.1
35	95.0	0.65302	1,959.1
36	96.8	0.62661	1,879.8
37	98.6	0.60141	1,804.2
38	100.4	0.57737	1,732.1
39	102.2	0.55441	1,663.2
40	104.0	0.53249	1,597.5
41	105.8	0.51155	1,534.7
42	107.6	0.49155	1,474.7
43	109.4	0.47243	1,417.3
44	111.2	0.45416	1,362.5
45	113.0	0.43669	1,310.1
46	114.8	0.41999	1,260.0
47	116.6	0.40401	1,212.0
48	118.4	0.38873	1,166.2
49	120.2	0.37410	1,122.3
50	122.0	0.36010	1,080.3

Temperature (°C)	Temperature (°F)	Resistance Ratio (R@x°C/R@+25°C)	Resistance (Ω Nominal)
51	123.8	0.34670	1,040.1
52	125.6	0.33386	1,001.6
53	127.4	0.32157	964.71
54	129.2	0.30979	929.37
55	131.0	0.29851	895.53
56	132.8	0.28770	863.10
57	134.6	0.27733	831.99
58	136.4	0.26739	802.17
59	138.2	0.25786	773.58
60	140.0	0.24871	746.13
61	141.8	0.23994	719.82
62	143.6	0.23152	694.56
63	145.4	0.22344	670.32
64	147.2	0.21568	647.04
65	149.0	0.20823	624.69
66	150.8	0.20108	603.24
67	152.6	0.19421	582.63
68	154.4	0.18761	562.83
69	156.2	0.18126	543.78
70	158.0	0.17516	525.48
71	159.8	0.16930	507.90
72	161.6	0.16366	490.98
73	163.4	0.15824	474.72
74	165.2	0.15303	459.09
75	167.0	0.14801	444.03
76	168.8	0.14320	429.59
77	170.6	0.13856	415.69
78	172.4	0.13410	402.31
79	174.2	0.12980	389.41
80	176.0	0.12566	376.99
81	177.8	0.12167	365.02
82	179.6	0.11783	353.49
83	181.4	0.11412	342.37
84	183.2	0.11055	331.66
85	185.0	0.10711	321.33
86	186.8	0.10379	311.37
87	188.6	0.10059	301.76
88	190.4	0.097500	292.50
89	192.2	0.094522	283.57
90	194.0	0.091648	274.94

Temperature (°C)	Temperature (°F)	Resistance Ratio (R@x°C/R@+25°C)	Resistance (Ω Nominal)
91	195.8	0.088876	266.63
92	197.6	0.086200	258.60
93	199.4	0.083618	250.85
94	201.2	0.081125	243.38
95	203.0	0.078718	236.15
96	204.8	0.076394	229.18
97	206.6	0.074150	222.45
98	208.4	0.071982	215.95
99	210.2	0.069888	209.66
100	212.0	0.067865	203.60
101	213.8	0.065910	197.73
102	215.6	0.064021	192.06
103	217.4	0.062194	186.58
104	219.2	0.060429	181.29
105	221.0	0.058722	176.17
106	222.8	0.057071	171.21
107	224.6	0.055475	166.43
108	226.4	0.053931	161.79
109	228.2	0.052438	157.31
110	230.0	0.050992	152.98
111	231.8	0.049594	148.78
112	233.6	0.048241	144.72
113	235.4	0.046931	140.79
114	237.2	0.045662	136.99
115	239.0	0.044435	133.31
116	240.8	0.043246	129.74
117	242.6	0.042094	126.28
118	244.4	0.040979	122.94
119	246.2	0.039899	119.70
120	248.0	0.038852	116.56
121	249.8	0.037838	113.51
122	251.6	0.036855	110.57
123	253.4	0.035902	107.71
124	255.2	0.034978	104.93
125	257.0	0.034083	102.25
126	258.8	0.033215	99.645
127	260.6	0.032373	97.119
128	262.4	0.031556	94.668
129	264.2	0.030764	92.292
130	266.0	0.029996	89.988

Temperature (°C)	Temperature (°F)	Resistance Ratio (R@x°C/R@+25°C)	Resistance (Ω Nominal)
131	267.8	0.029250	87.750
132	269.6	0.028527	85.581
133	271.4	0.027824	83.472
134	273.2	0.027143	81.429
135	275.0	0.026481	79.443
136	276.8	0.025839	77.517
137	278.6	0.025215	75.645
138	280.4	0.024610	73.830
139	282.2	0.024021	72.063
140	284.0	0.023450	70.350
141	285.8	0.022895	68.685
142	287.6	0.022355	67.065
143	289.4	0.021831	65.493
144	291.2	0.021322	63.966
145	293.0	0.020827	62.481
146	294.8	0.020345	61.035
147	296.6	0.019878	59.634
148	298.4	0.019423	58.269
149	300.2	0.018980	56.940
150	302.0	0.018550	55.650