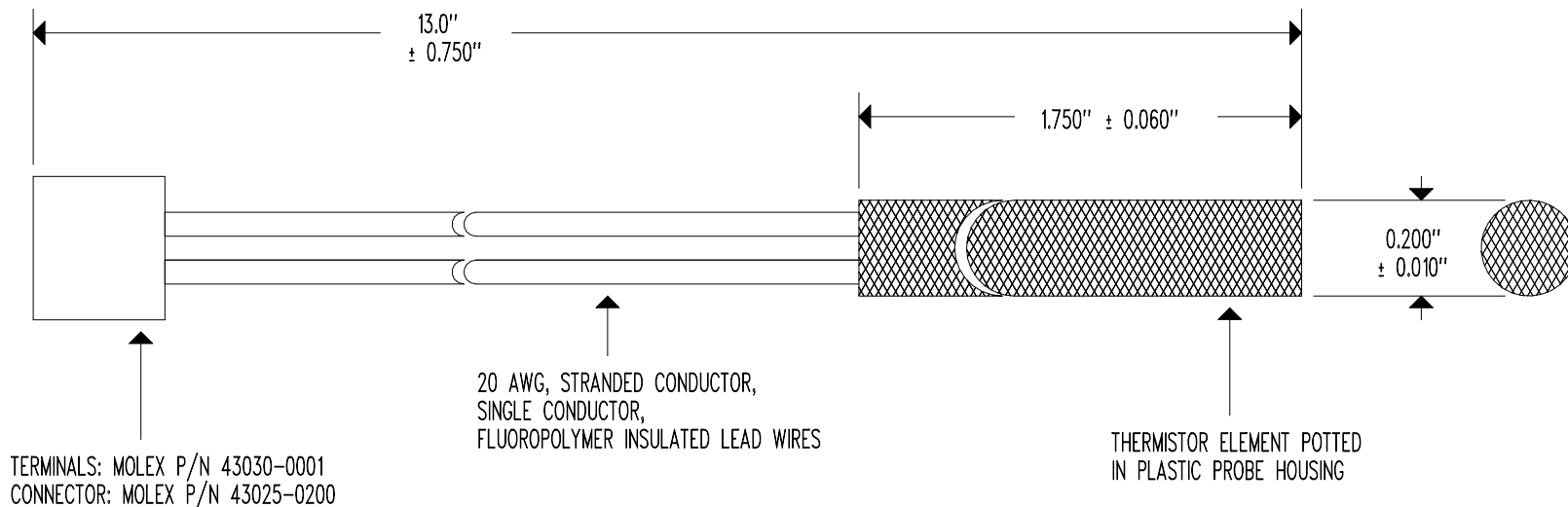




0	INITIAL RELEASE	09/21/2023	DD
REV	DESCRIPTION	DATE	APP
REVISION HISTORY			

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	DRAWN BY: DAN DANKERT		
P/N ETP11069	SCALE: NONE	LAYER: 0 OF 2	
	REV: 0	DATE: 09/21/2023	

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RESISTANCE @ +25°C = 100,000 Ω ± 5%
RESISTANCE/TEMPERATURE CURVE = "61"
BETA "β" (0°C TO +50°C) = 4,299°K NOMINAL
BETA "β" (+25°C TO +85°C) = 4,356°K NOMINAL
TEMPERATURE COEFFICIENT @ +25°C = -4.96%/°C NOMINAL

MAXIMUM TEMPERATURE RATING = +150°C
(EXCEPT CONNECTOR MAXIMUM TEMPERATURE RATING = +105°C)

ROHS COMPLIANT

El Sensor Technologies

Resistance Versus Temperature Table

Thermistor Element for P/N ETP11069 Revision "0"

Resistance @ +25°C = 100,000 Ω

Temperature (°C)	Temperature (°F)	Resistance Ratio (R@x°C/R@+25°C)	Resistance (Ω Nominal)
-40	-40.0	49.105	4,910,482
-39	-38.2	45.630	4,563,048
-38	-36.4	42.423	4,242,348
-37	-34.6	39.462	3,946,169
-36	-32.8	36.725	3,672,494
-35	-31.0	34.195	3,419,483
-34	-29.2	31.855	3,185,456
-33	-27.4	29.689	2,968,880
-32	-25.6	27.684	2,768,353
-31	-23.8	25.826	2,582,593
-30	-22.0	24.104	2,410,429
-29	-20.2	22.508	2,250,788
-28	-18.4	21.027	2,102,688
-27	-16.6	19.652	1,965,228
-26	-14.8	18.376	1,837,584
-25	-13.0	17.190	1,719,000
-24	-11.2	16.088	1,608,781
-23	-9.4	15.063	1,506,290
-22	-7.6	14.109	1,410,942
-21	-5.8	13.222	1,322,199
-20	-4.0	12.396	1,239,567
-19	-2.2	11.626	1,162,590

-18	-0.4	10.908	1,090,850
-17	1.4	10.240	1,023,962
-16	3.2	9.6157	961,570
-15	5.0	9.0335	903,349
-14	6.8	8.4899	848,995
-13	8.6	7.9823	798,230
-12	10.4	7.5080	750,799
-11	12.2	7.0646	706,463
-10	14.0	6.6500	665,004
-9	15.8	6.2622	626,220
-8	17.6	5.8992	589,923
-7	19.4	5.5594	555,940
-6	21.2	5.2411	524,111
-5	23.0	4.9429	494,289
-4	24.8	4.6634	466,335
-3	26.6	4.4012	440,123
-2	28.4	4.1553	415,535
-1	30.2	3.9246	392,461
0	32.0	3.7080	370,800
1	33.8	3.5042	350,418
2	35.6	3.3128	331,279
3	37.4	3.1330	313,299
4	39.2	2.9640	296,401
5	41.0	2.8052	280,516
6	42.8	2.6558	265,575
7	44.6	2.5152	251,519
8	46.4	2.3829	238,290
9	48.2	2.2583	225,834
10	50.0	2.1410	214,102
11	51.8	2.0305	203,048
12	53.6	1.9263	192,630
13	55.4	1.8281	182,807
14	57.2	1.7354	173,542
15	59.0	1.6480	164,800
16	60.8	1.5655	156,549
17	62.6	1.4876	148,759
18	64.4	1.4140	141,401
19	66.2	1.3445	134,449

20	68.0	1.2788	127,880
21	69.8	1.2167	121,668
22	71.6	1.1579	115,794
23	73.4	1.1024	110,237
24	75.2	1.0498	104,978
25	77.0	1.0000	100,000
26	78.8	0.95286	95,286
27	80.6	0.90821	90,821
28	82.4	0.86590	86,590
29	84.2	0.82580	82,580
30	86.0	0.78778	78,778
31	87.8	0.75173	75,173
32	89.6	0.71753	71,753
33	91.4	0.68507	68,507
34	93.2	0.65426	65,426
35	95.0	0.62501	62,501
36	96.8	0.59723	59,723
37	98.6	0.57083	57,083
38	100.4	0.54575	54,575
39	102.2	0.52191	52,191
40	104.0	0.49924	49,924
41	105.8	0.47767	47,767
42	107.6	0.45716	45,716
43	109.4	0.43764	43,764
44	111.2	0.41906	41,906
45	113.0	0.40137	40,137
46	114.8	0.38452	38,452
47	116.6	0.36847	36,847
48	118.4	0.35317	35,317
49	120.2	0.33860	33,860
50	122.0	0.32470	32,470
51	123.8	0.31153	31,153
52	125.6	0.29896	29,896
53	127.4	0.28696	28,696
54	129.2	0.27551	27,551
55	131.0	0.26457	26,457
56	132.8	0.25413	25,413
57	134.6	0.24415	24,415

58	136.4	0.23461	23,461
59	138.2	0.22550	22,550
60	140.0	0.21679	21,679
61	141.8	0.20846	20,846
62	143.6	0.20049	20,049
63	145.4	0.19287	19,287
64	147.2	0.18558	18,558
65	149.0	0.17860	17,860
66	150.8	0.17192	17,192
67	152.6	0.16552	16,552
68	154.4	0.15940	15,940
69	156.2	0.15353	15,353
70	158.0	0.14791	14,791
71	159.8	0.14252	14,252
72	161.6	0.13735	13,735
73	163.4	0.13240	13,240
74	165.2	0.12765	12,765
75	167.0	0.12310	12,310
76	168.8	0.11873	11,873
77	170.6	0.11454	11,454
78	172.4	0.11052	11,052
79	174.2	0.10665	10,665
80	176.0	0.10295	10,295
81	177.8	0.099387	9,938.7
82	179.6	0.095968	9,596.8
83	181.4	0.092683	9,268.3
84	183.2	0.089526	8,952.6
85	185.0	0.086493	8,649.3
86	186.8	0.083577	8,357.7
87	188.6	0.080774	8,077.4
88	190.4	0.078079	7,807.9
89	192.2	0.075486	7,548.6
90	194.0	0.072993	7,299.3
91	195.8	0.070594	7,059.4
92	197.6	0.068285	6,828.5
93	199.4	0.066063	6,606.3
94	201.2	0.063924	6,392.4
95	203.0	0.061864	6,186.4

96	204.8	0.059881	5,988.1
97	206.6	0.057971	5,797.1
98	208.4	0.056131	5,613.1
99	210.2	0.054358	5,435.8
100	212.0	0.052650	5,265.0
101	213.8	0.051026	5,102.6
102	215.6	0.049459	4,945.9
103	217.4	0.047947	4,794.7
104	219.2	0.046489	4,648.9
105	221.0	0.045082	4,508.2
106	222.8	0.043723	4,372.3
107	224.6	0.042412	4,241.2
108	226.4	0.041146	4,114.6
109	228.2	0.039924	3,992.4
110	230.0	0.038743	3,874.3
111	231.8	0.037603	3,760.3
112	233.6	0.036502	3,650.2
113	235.4	0.035437	3,543.7
114	237.2	0.034409	3,440.9
115	239.0	0.033415	3,341.5
116	240.8	0.032454	3,245.4
117	242.6	0.031525	3,152.5
118	244.4	0.030627	3,062.7
119	246.2	0.029758	2,975.8
120	248.0	0.028918	2,891.8
121	249.8	0.028106	2,810.6
122	251.6	0.027319	2,731.9
123	253.4	0.026559	2,655.9
124	255.2	0.025823	2,582.3
125	257.0	0.025110	2,511.0
126	258.8	0.024420	2,442.0
127	260.6	0.023753	2,375.3
128	262.4	0.023106	2,310.6
129	264.2	0.022480	2,248.0
130	266.0	0.021873	2,187.3
131	267.8	0.021286	2,128.6
132	269.6	0.020717	2,071.7
133	271.4	0.020166	2,016.6

134	273.2	0.019631	1,963.1
135	275.0	0.019113	1,911.3
136	276.8	0.018611	1,861.1
137	278.6	0.018125	1,812.5
138	280.4	0.017653	1,765.3
139	282.2	0.017196	1,719.6
140	284.0	0.016752	1,675.2
141	285.8	0.016322	1,632.2
142	287.6	0.015904	1,590.4
143	289.4	0.015499	1,549.9
144	291.2	0.015106	1,510.6
145	293.0	0.014725	1,472.5
146	294.8	0.014355	1,435.5
147	296.6	0.013996	1,399.6
148	298.4	0.013647	1,364.7
149	300.2	0.013309	1,330.9
150	302.0	0.012980	1,298.0