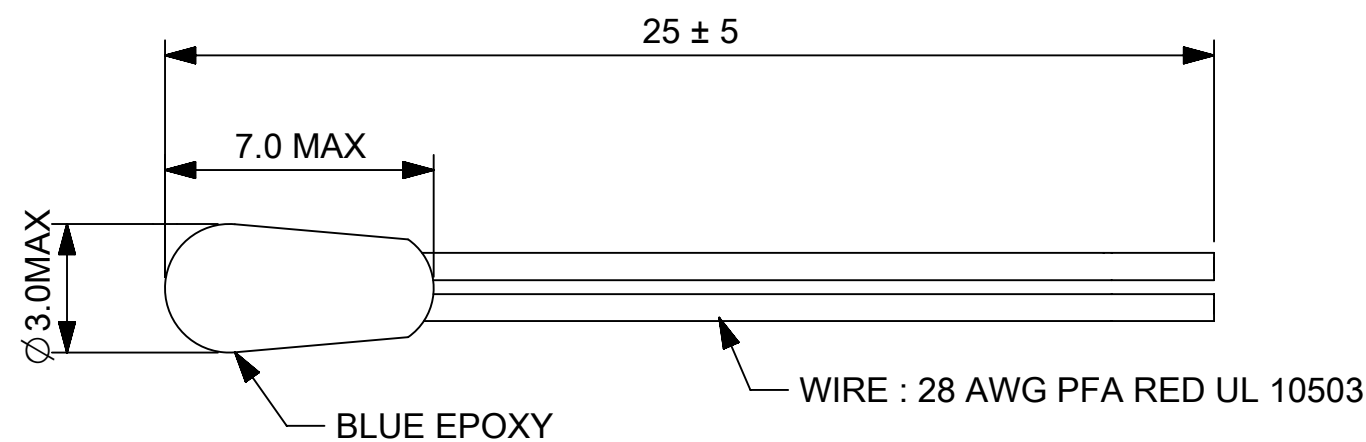




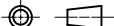
NOTES:

1. RESISTANCE @ 25°C : 12KΩ±1%.
2. BETA VALUE (0/50°C) : 3892K±1%
3. OPERATING TEMPERATURE RANGE : -40°C TO +135°C.
4. DISSIPATION FACTOR : 1.5mW/°C
5. THERMAL TIME CONSTANT : LESS THAN 3SECONDS IN WATER
- 6.INSULATION RESISTANCE : 10MΩ AT 100 VDC

RESISTANCE VS TEMPERATURE CHARACTERISTICS:

Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)
-40	349.50	365.30	381.70
-35	256.30	267.10	278.20
-30	189.90	197.30	204.90
-25	142.10	147.20	152.40
-20	107.30	110.80	114.40
-15	81.80	84.26	86.77
-10	62.860	64.570	66.320
-5	48.640	49.840	51.060
0	37.890	38.730	39.580
5	29.670	30.240	30.830
10	23.380	23.780	24.180
15	18.550	18.820	19.090
20	14.800	14.980	15.170
25	11.880	12.000	12.120
30	9.546	9.664	9.782
35	7.712	7.823	7.936
40	6.262	6.365	6.470
45	5.109	5.204	5.300

Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)
50	4.187	4.274	4.361
55	3.455	3.533	3.612
60	2.865	2.935	3.006
65	2.387	2.449	2.514
70	1.997	2.053	2.111
75	1.678	1.728	1.780
80	1.416	1.461	1.507
85	1.201	1.241	1.283
90	1.023	1.059	1.096
95	0.875	0.907	0.940
100	0.751	0.779	0.809
105	0.646	0.672	0.698
110	0.558	0.581	0.605
115	0.484	0.505	0.526
120	0.421	0.439	0.459
125	0.367	0.384	0.401
130	0.313	0.329	0.343
135	0.259	0.274	0.285

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
FA= 0 FE= 0 FF= 0		DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex NTC EPOXY - 3892 25MM 12K1%			
		mm		NTS									
		GENERAL TOLERANCES (UNLESS SPECIFIED)											
		ANGULAR TOL		± °									
		4 PLACES		±									
DIVISIONAL SYMBOLS		3 PLACES		±		EC NO: 657230 DRWN: RAVIKM CHK'D: RBBHASKAR APPR: RBBHASKAR				2021/03/03 2021/03/05 2021/03/05			
		2 PLACES		±		INITIAL REVISION: DRWN: RAVIKM APPR: RBBHASKAR				PRODUCT CUSTOMER DRAWING			
		1 PLACE		±									
		0 PLACES		±									
		DRAWING WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
				A3-SIZE		215272		2152723703		OTS		1 OF 1	