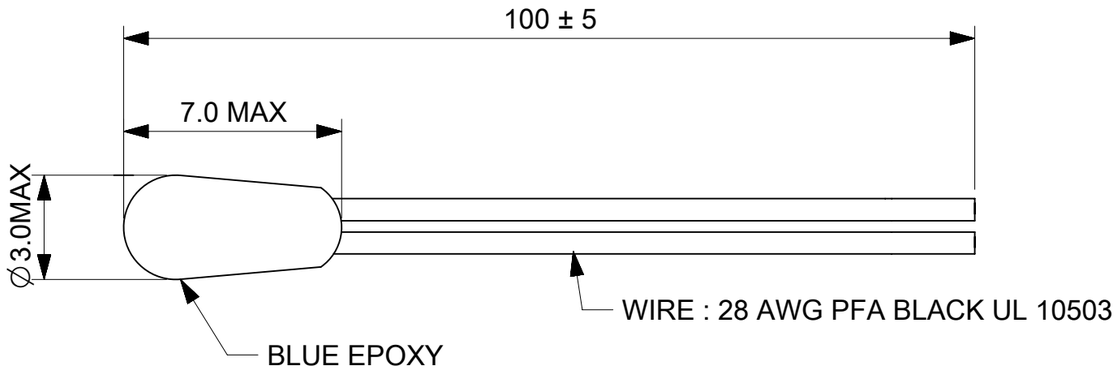

RESISTANCE VS TEMPERATURE CHARACTERISTICS:

Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)	Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)
-40	345.30	361.50	378.50	50	3.377	3.448	3.520
-35	250.80	261.70	273.10	55	2.773	2.837	2.901
-30	183.80	191.30	199.00	60	2.289	2.346	2.404
-25	136.00	141.10	146.30	65	1.900	1.950	2.002
-20	101.50	104.90	108.50	70	1.584	1.629	1.676
-15	75.870	78.230	80.650	75	1.327	1.367	1.409
-10	57.250	58.860	60.520	80	1.117	1.153	1.190
-5	43.570	44.680	45.810	85	0.945	0.977	1.010
0	33.430	34.190	34.960	90	0.802	0.831	0.860
5	25.820	26.330	26.850	95	0.684	0.710	0.736
10	20.090	20.440	20.800	100	0.586	0.609	0.632
15	15.760	15.990	16.230	105	0.504	0.524	0.545
20	12.450	12.600	12.760	110	0.434	0.452	0.471
25	9.900	10.000	10.100	115	0.376	0.392	0.409
30	7.889	7.987	8.085	120	0.326	0.341	0.356
35	6.326	6.418	6.511	125	0.284	0.298	0.311
40	5.103	5.189	5.275	130	0.242	0.255	0.266
45	4.140	4.218	4.297	135	0.200	0.212	0.221

NOTES:

1. RESISTANCE @ 25°C : 10KΩ±1%
2. BETA VALUE (0/50°C) : 4035K±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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 657230
DRWN: RAVIKM 2021/03/04
CHK'D: RBBHASKAR 2021/03/05
APPR: RBBHASKAR 2021/03/05

INITIAL REVISION:
DRWN: RAVIKM 2021/03/04
APPR: RBBHASKAR 2021/03/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 215279

molex

NTC EPOXY - 4035 100MM 10K 1%

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2152793607	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
2152793607	OTS	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2021/03/05 05:20:07

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REVISION: J
DATE: 2020/01/14