



NOTES:

1. RESISTANCE @ 25°C : 10KΩ ± 1%
2. BETA VALUE (0/50°C) : 4035K ± 1%
3. OPERATING TEMPERATURE RANGE : -40°C TO +250°C.
4. THERMAL TIME CONSTANT : 15SEC IN WATER
5. VOLTAGE BREAKDOWN STRENGTH : 1500V AC FOR 3SEC.
6. INSULATION RESISTANCE : A MINIMUM OF 100MΩ @ 500VOLTS DC.
7. DISSIPATION FACTOR : 1mW/°C.
8. LASER MARKING "MOLEX-DATE CODE(MM/YY)" & "XXK(R25-value) XXXX(B-value)"

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex					
	DIMENSION UNITS	SCALE								
▽/A = 0	mm	NTS	EC NO: 727818 DRWN: NANDAK 2022/11/09 CHK'D: RBBHASKAR 2022/11/15 APPR: RBBHASKAR 2022/11/15		GLASS NTC PROBE A -10K±1%,B4035,L300					
▽/E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING					
▽/Z = 0	ANGULAR TOL ± °				DOCUMENT NUMBER					
DIVISIONAL SYMBOLS	4 PLACES	±	INITIAL REVISION: DRWN: RAVIKM 2022/01/28 APPR: RBBHASKAR 2022/02/18		2185373609		PSD	000	A2	
	3 PLACES	±			2185373609		GENERAL MARKET	1 OF 2		
	2 PLACES	±			2185373609		GENERAL MARKET		1 OF 2	
	1 PLACE	±			2185373609		GENERAL MARKET		1 OF 2	
0 PLACES	±	2185373609		GENERAL MARKET		1 OF 2				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
				A3-SIZE	218537	2185373609	GENERAL MARKET	1 OF 2		

RESISTANCE VS TEMPERATURE CHARACTERISTICS

TEMP(□)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
-40	404.234	385.875	368.312
-35	286.476	274.399	262.804
-30	205.489	197.475	189.754
-25	149.092	143.733	138.553
-20	109.351	105.744	102.246
-15	81.031	78.591	76.217
-10	60.634	58.978	57.360
-05	45.795	44.668	43.564
00	34.895	34.128	33.374
05	26.815	26.293	25.779
10	20.772	20.420	20.071
15	16.216	15.978	15.746
20	12.753	12.597	12.442
25	10.100	10.000	9.900
30	8.090	7.992	7.894
35	6.522	6.429	6.336
40	5.290	5.203	5.117
45	4.316	4.237	4.158
50	3.542	3.469	3.398
55	2.922	2.857	2.793
60	2.424	2.365	2.308
65	2.021	1.969	1.917
70	1.694	1.647	1.600
75	1.426	1.384	1.343
80	1.206	1.168	1.132
85	1.025	0.991	0.958
90	0.8742	0.8444	0.8156
95	0.7492	0.7225	0.6968
100	0.6447	0.6208	0.5978
105	0.5570	0.5356	0.5150
110	0.4832	0.4639	0.4454
115	0.4207	0.4034	0.3867
120	0.3676	0.3520	0.3370
125	0.3225	0.3083	0.2948
130	0.2838	0.2711	0.2588
135	0.2507	0.2391	0.2280
140	0.2221	0.2116	0.2016
145	0.1975	0.1879	0.1788
150	0.1762	0.1674	0.1591

TEMP(□)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
155	0.1576	0.1497	0.1421
160	0.1415	0.1342	0.1272
165	0.1274	0.1207	0.1143
170	0.1150	0.1088	0.1030
175	0.1041	0.0985	0.0931
180	0.0946	0.0893	0.0844
185	0.0861	0.0813	0.0767
190	0.0787	0.0741	0.0699
195	0.0720	0.0678	0.0639
200	0.0661	0.0622	0.0585
205	0.0609	0.0572	0.0538
210	0.0562	0.0528	0.0496
215	0.0520	0.0488	0.0458
220	0.0482	0.0452	0.0424
225	0.0448	0.0420	0.0394
230	0.0418	0.0391	0.0366
235	0.0390	0.0365	0.0342
240	0.0365	0.0342	0.0320
245	0.0343	0.0321	0.0300
250	0.0323	0.0301	0.0282

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	DIMENSION UNITS	SCALE	CURRENT REV DESC:
$\nabla_A = 0$	mm	NTS	<p>molex</p> <p>GLASS NTC PROBE A -10K±1%,B4035,L300</p> <p>PRODUCT CUSTOMER DRAWING</p>
$\nabla_E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		
$\nabla_V = 0$	ANGULAR TOL ± °		
DIVISIONAL SYMBOLS	4 PLACES ±	3 PLACES ±	
	2 PLACES ±	1 PLACE ±	EC NO: 727818
	0 PLACES ±		DRWN: NANDAK 2022/11/09
			CHK'D: RBBHASKAR 2022/11/15
			APPR: RBBHASKAR 2022/11/15
			INITIAL REVISION:
			DRWN: RAVIKM 2022/01/28
			APPR: RBBHASKAR 2022/02/18
			DOCUMENT NUMBER
			2185373609
			DOC TYPE DOC PART REVISION
			PSD 000 A2
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
			THIRD ANGLE PROJECTION
			DRAWING
			SERIES
			A3-SIZE 218537
			MATERIAL NUMBER
			2185373609
			CUSTOMER
			GENERAL MARKET
			SHEET NUMBER
			2 OF 2