

NOTES:


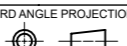
1. RESISTANCE @ 25°C : 50KΩ ± 1%
2. BETA VALUE (0/50°C) : 3892K ± 1%
3. OPERATING TEMPERATURE RANGE : -40°C TO +250°C.
4. THERMAL TIME CONSTANT : 15SEC IN WATER
5. VOLTAGE BREAKDOWN STRENGTH : 1500V AC FOR 3SEC.
6. INSULATION RESISTANCE : A MINIMUM OF 100MΩ @ 500VOLTS DC.
7. DISSIPATION FACTOR : 1mW/°C.
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 -50K±1%,B3892,L100					
▽/E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)					PRODUCT CUSTOMER DRAWING					
▽/F = 0	ANGULAR TOL ± °					DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
DIVISIONAL SYMBOLS	4 PLACES	±				INITIAL REVISION:			2185353907	PSD	000
	3 PLACES	±	DRWN: RAVIKM 2022/01/28								
	2 PLACES	±	APPR: RBBHASKAR 2022/02/18								
	1 PLACE	±									
	0 PLACES	±									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER			
			A3-SIZE	218535	2185353907	GENERAL MARKET		1 OF 2			

RESISTANCE VS TEMPERATURE CHARACTERISTICS

TEMP(□)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
-40	1780.839	1702.092	1626.665
-35	1274.708	1222.382	1172.086
-30	923.667	888.581	854.741
-25	677.059	653.346	630.4
-20	501.713	485.581	469.919
-15	375.61	364.576	353.829
-10	283.94	276.363	268.961
-05	216.619	211.404	206.293
00	166.7	163.109	159.579
05	129.344	126.876	124.443
10	101.147	99.459	97.789
15	79.686	78.542	77.405
20	63.224	62.458	61.696
25	50.5	50	49.5
30	40.773	40.282	39.792
35	33.117	32.649	32.185
40	27.053	26.616	26.184
45	22.22	21.818	21.421
50	18.346	17.98	17.618
55	15.224	14.892	14.564
60	12.693	12.393	12.099
65	10.633	10.363	10.098
70	8.946	8.703	8.466
75	7.558	7.341	7.129
80	6.412	6.217	6.028
85	5.461	5.286	5.117
90	4.668	4.512	4.36
95	4.006	3.865	3.729
100	3.449	3.323	3.201
105	2.979	2.867	2.757
110	2.582	2.481	2.383
115	2.245	2.154	2.066
120	1.958	1.876	1.796
125	1.712	1.638	1.567
130	1.5016	1.4349	1.371
135	1.3207	1.2603	1.2026
140	1.1646	1.11	1.0578
145	1.0296	0.9801	0.9329
150	0.9125	0.8676	0.8248

TEMP(□)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
155	0.8107	0.7699	0.7310
160	0.7219	0.6848	0.6495
165	0.6444	0.6105	0.5783
170	0.5764	0.5455	0.5162
175	0.5167	0.4884	0.4617
180	0.4641	0.4383	0.4138
185	0.4178	0.3941	0.3717
190	0.3768	0.3551	0.3345
195	0.3405	0.3205	0.3017
200	0.3082	0.2899	0.2726
205	0.2796	0.2626	0.2467
210	0.2540	0.2384	0.2237
215	0.2312	0.2168	0.2032
220	0.2108	0.1974	0.1849
225	0.1925	0.1801	0.1686
230	0.1760	0.1646	0.1539
235	0.1613	0.1507	0.1408
240	0.1480	0.1381	0.1289
245	0.1360	0.1268	0.1183
250	0.1251	0.1166	0.1086

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	$\nabla_A = 0$ $\nabla_F = 0$ $\nabla_V = 0$	DIMENSION UNITS: mm SCALE: NTS GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± °		
DIVISIONAL SYMBOLS	4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±	INITIAL REVISION: DRWN: RAVIKM APPR: RBBHASKAR	2022/01/28 2022/02/18	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 2185353907 DOC TYPE: PSD DOC PART: 000 REVISION: A2
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION 	DRAWING: A3-SIZE SERIES: 218535 MATERIAL NUMBER: 2185353907 CUSTOMER: GENERAL MARKET	SHEET NUMBER: 2 OF 2