

NOTES:


1. RESISTANCE @ 25°C : 10KΩ ± 1%
2. BETA VALUE (0/50°C) : 3600K ± 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			
	△/A = 0	mm							NTS
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 727818			2022/11/09			
	△/E = 0	ANGULAR TOL ± °		DRWN: NANDAK			2022/11/15		
	△/F = 0	4 PLACES	±	CHK'D: RBBHASKAR			2022/11/15		
		3 PLACES	±	APPR: RBBHASKAR			2022/11/15		
		2 PLACES	±	INITIAL REVISION:			DOCUMENT NUMBER		
	1 PLACE	±	DRWN: RAVIKM			2185343609			
	0 PLACES	±	APPR: RBBHASKAR			PSD 000 A2			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
				A3-SIZE	218534	2185343609	GENERAL MARKET	1 OF 2	

RESISTANCE VS TEMPERATURE CHARACTERISTICS

TEMP (°C)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
-40	224.87	234.42	244.35
-35	169.65	176.35	183.30
-30	129.00	133.73	138.61
-25	98.843	102.19	105.64
-20	76.292	78.668	81.111
-15	59.302	60.994	62.728
-10	46.409	47.615	48.848
-05	36.558	37.418	38.294
00	28.980	29.592	30.214
05	23.114	23.548	23.988
10	18.543	18.850	19.159
15	14.961	15.176	15.391
20	12.138	12.286	12.434
25	9.900	10.000	10.100
30	8.084	8.182	8.280
35	6.635	6.728	6.823
40	5.472	5.560	5.649
45	4.535	4.617	4.699
50	3.776	3.851	3.927
55	3.158	3.227	3.296
60	2.653	2.715	2.778
65	2.238	2.295	2.352
70	1.896	1.947	1.999
75	1.613	1.659	1.706
80	1.377	1.419	1.461
85	1.181	1.218	1.256
90	1.016	1.050	1.084
95	0.8773	0.9076	0.9390
100	0.7602	0.7876	0.8160
105	0.6610	0.6858	0.7115
110	0.5766	0.5991	0.6223
115	0.5047	0.5250	0.5461
120	0.4431	0.4615	0.4807
125	0.3902	0.4069	0.4244
130	0.3446	0.3599	0.3758
135	0.3053	0.3191	0.3336
140	0.2711	0.2838	0.2970
145	0.2415	0.2531	0.2652
150	0.2156	0.2262	0.2373

TEMP (°C)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
155	0.1931	0.2028	0.2129
160	0.1733	0.1822	0.1915
165	0.1559	0.1640	0.1726
170	0.1405	0.1481	0.1560
175	0.1270	0.1339	0.1412
180	0.1150	0.1214	0.1281
185	0.1044	0.1103	0.1165
190	0.0949	0.1004	0.1062
195	0.0865	0.0915	0.0969
200	0.0789	0.0836	0.0886

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:							
	DIMENSION UNITS	SCALE								
$\nabla_A = 0$	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%,B3600,L300					
$\nabla_E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)									
$\nabla_F = 0$	ANGULAR TOL ± °									
DIVISIONAL SYMBOLS	4 PLACES	±	INITIAL REVISION: DRWN: RAVIKM 2022/01/28 APPR: RBBHASKAR 2022/02/18		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION		
	3 PLACES	±			2185343609	PSD	000	A2		
	2 PLACES	±			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING A3-SIZE	
	1 PLACE	±								
0 PLACES	±	MATERIAL NUMBER 2185343609		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 2				