

NOTES:


1. RESISTANCE @ 25°C : 10KΩ ± 1%
2. BETA VALUE (0/50°C) : 3964K ± 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			
▽E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				GLASS NTC MOUNTING -10K±1%,B3964,L100	
▽F = 0	ANGULAR TOL ± °					
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 733229	2022/12/23	PRODUCT CUSTOMER DRAWING	
	3 PLACES	±	DRWN: NANDAK	2022/12/23		
	2 PLACES	±	CHK'D: RBBHASKAR	2022/12/23	DOCUMENT NUMBER: 2185363617	
	1 PLACE	±	APPR: RBBHASKAR	2022/12/23		DOC TYPE: PSD
	0 PLACES	±	INITIAL REVISION:			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 218536	REVISION: B4	
			MATERIAL NUMBER: 2185363617	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 1 OF 2	

RESISTANCE VS TEMPERATURE CHARACTERISTICS

TEMP(°C)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
-40	356.0928	372.8642	390.3851
-35	248.0856	258.8782	270.1136
-30	181.8178	189.1335	196.7234
-25	136.0766	141.1378	146.3726
-20	100.7260	104.1526	107.6834
-15	75.1933	77.5269	79.9224
-10	56.1744	57.7451	59.3562
-5	42.8109	43.8861	44.9833
0	32.2942	33.0206	33.7570
5	25.9578	26.4767	27.0036
10	20.4028	20.7599	21.1211
15	16.0998	16.3433	16.5884
20	12.7710	12.9326	13.0956
25	9.9000	10.0000	10.1000
30	7.8997	7.9972	8.0956
35	6.3517	6.4438	6.5366
40	5.1389	5.2246	5.3114
45	4.1837	4.2621	4.3418
50	3.4250	3.4963	3.5687
55	2.8464	2.9107	2.9762
60	2.3674	2.4253	2.4845
65	1.9715	2.0235	2.0767
70	1.6447	1.6910	1.7386
75	1.3751	1.4165	1.4589
80	1.1534	1.1902	1.2279
85	0.9827	1.0156	1.0496
90	0.8333	0.8626	0.8929
95	0.7085	0.7346	0.7616
100	0.6170	0.6406	0.6650
105	0.5300	0.5511	0.5730
110	0.4576	0.4766	0.4962
115	0.3971	0.4141	0.4317
120	0.3459	0.3612	0.3771
125	0.3024	0.3161	0.3305
130	0.2650	0.2774	0.2905
135	0.2326	0.2438	0.2556
140	0.2043	0.2144	0.2251
145	0.1793	0.1884	0.1980
150	0.1571	0.1653	0.1740

TEMP(°C)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
155	0.1398	0.1473	0.1552
160	0.1250	0.1318	0.1390
165	0.1120	0.1182	0.1248
170	0.1007	0.1064	0.1125
175	0.0907	0.0960	0.1016
180	0.0819	0.0867	0.0918
185	0.0739	0.0784	0.0831
190	0.0668	0.0709	0.0752
195	0.0603	0.0641	0.0681
200	0.0544	0.0578	0.0615
205	0.0507	0.0540	0.0575
210	0.0470	0.0500	0.0533
215	0.0432	0.0460	0.0490
220	0.0403	0.0430	0.0459
225	0.0365	0.0390	0.0416
230	0.0337	0.0360	0.0385
235	0.0309	0.0330	0.0353
240	0.0280	0.0300	0.0321
245	0.0261	0.0280	0.0300
250	0.0243	0.0260	0.0279

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	DIMENSION UNITS	SCALE								
$\nabla_A = 0$	mm	NTS	EC NO: 733229 DRWN: NANDAK 2022/12/23 CHK'D: RBBHASKAR 2022/12/23 APPR: RBBHASKAR 2022/12/23		GLASS NTC MOUNTING -10K±1%,B3964,L100					
$\nabla_E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)									
	ANGULAR TOL	± °								
DIVISIONAL SYMBOLS	4 PLACES	±						INITIAL REVISION: DRWN: RAVIKM 2022/01/28 APPR: RBBHASKAR 2022/02/10		DOCUMENT NUMBER
	3 PLACES	±	2185363617		PSD	000	B4			
	2 PLACES	±	MATERIAL NUMBER 2185363617		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 2			
	1 PLACE	±								
0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING A3-SIZE		SERIES 218536		