



NOTES:

1. RESISTANCE @ 25°C : 10KΩ±0.2°C(±0.88%).
2. BETA VALUE (0/50°C) : 3892K±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

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	322.555	333.56	344.57	50	3.573	3.601	3.628
-35	234.14	241.072	248.004	55	2.963	2.985	3.007
-30	171.457	176.082	180.706	60	2.469	2.487	2.505
-25	126.895	129.925	132.956	65	2.067	2.082	2.096
-20	94.846	96.807	98.769	70	1.739	1.751	1.763
-15	71.522	72.809	74.096	75	1.467	1.48	1.492
-10	54.413	55.253	56.093	80	1.243	1.256	1.269
-5	41.758	42.292	42.826	85	1.057	1.07	1.083
0	32.307	32.64	32.973	90	0.903	0.916	0.928
5	25.139	25.391	25.642	95	0.775	0.786	0.798
10	19.711	19.902	20.093	100	0.667	0.678	0.689
15	15.567	15.713	15.86	105	0.576	0.587	0.597
20	12.38	12.493	12.606	110	0.5	0.51	0.519
25	9.912	10	10.088	115	0.435	0.444	0.453
30	7.987	8.056	8.125	120	0.38	0.388	0.396
35	6.476	6.53	6.584	125	0.333	0.34	0.348
40	5.282	5.325	5.367	130	0.292	0.299	0.306
45	4.332	4.367	4.401	135	0.258	0.264	0.271

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: mm	SCALE: NTS			NTC EPOXY - 3892 40MM 10K0.88%		
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	EC NO: 657230		PRODUCT CUSTOMER DRAWING			
	ANGULAR TOL ± °	DRWN: RAVIKM 2021/03/04					
DIVISIONAL SYMBOLS	4 PLACES ±	CHK'D: RBBHASKAR 2021/03/05		DOCUMENT NUMBER: 2152722605			
	3 PLACES ±	APPR: RBBHASKAR 2021/03/05					
	2 PLACES ±	INITIAL REVISION:					
	1 PLACE ±	DRWN: RAVIKM 2021/03/04					
0 PLACES ±	APPR: RBBHASKAR 2021/03/05		DOC TYPE: PSD	DOC PART: 000	REVISION: A		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 215272	MATERIAL NUMBER: 2152722605	CUSTOMER: OTS	SHEET NUMBER: 1 OF 1