



**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

**NOTES:**

- RESISTANCE @ 25°C :  $10\text{K}\Omega \pm 0.2^\circ\text{C} (\pm 0.88\%)$ .
- BETA VALUE (0/50°C) :  $3892\text{K} \pm 1\%$ .
- OPERATING TEMPERATURE RANGE : -40°C TO +135°C.
- DISSIPATION FACTOR :  $1.5\text{mW}/^\circ\text{C}$
- THERMAL TIME CONSTANT : LESS THAN 3SECONDS IN WATER
- INSULATION RESISTANCE :  $10\text{M}\Omega$  AT 100 VDC

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS	SCALE				CURRENT REV DESC:		
$\nabla_A = 0$	mm	NTS	EC NO: 657230 DRWN: RAVIKM CHK'D: RBBHASKAR APPR: RBBHASKAR INITIAL REVISION: DRWN: RAVIKM APPR: RBBHASKAR						
$\nabla_E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)						NTC EPOXY - 3892 100MM 10K0.88%		
$\nabla_F = 0$	ANGULAR TOL ± °						PRODUCT CUSTOMER DRAWING		
DIVISIONAL SYMBOLS	4 PLACES ±	3 PLACES ±					DOCUMENT NUMBER <b>2152722607</b>		
	2 PLACES ±	1 PLACE ±					DOC TYPE DOC PART REVISION PSD 000 A		
	0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
					A3-SIZE	215272	2152722607	OTS	1 OF 1