



### 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	291.2	304.4	318.1	50	3.49	3.561	3.634
-35	213.6	222.6	231.9	55	2.879	2.944	3.01
-30	158.3	164.4	170.8	60	2.388	2.446	2.505
-25	118.4	122.6	127	65	1.989	2.041	2.095
-20	89.39	92.32	95.34	70	1.664	1.711	1.759
-15	68.17	70.21	72.31	75	1.399	1.44	1.483
-10	52.38	53.81	55.27	80	1.18	1.217	1.256
-5	40.53	41.53	42.55	85	1.001	1.034	1.069
0	31.58	32.27	32.98	90	0.853	0.882	0.913
5	24.72	25.2	25.69	95	0.729	0.756	0.783
10	19.48	19.82	20.15	100	0.625	0.649	0.674
15	15.46	15.68	15.91	105	0.539	0.56	0.582
20	12.33	12.49	12.64	110	0.465	0.484	0.504
25	9.9	10	10.1	115	0.403	0.42	0.438
30	7.955	8.053	8.151	120	0.351	0.366	0.382
35	6.427	6.52	6.613	125	0.306	0.32	0.334
40	5.218	5.304	5.392	130	0.261	0.274	0.286
45	4.257	4.337	4.417	135	0.216	0.228	0.238

### NOTES:

1. RESISTANCE @ 25°C :  $10\text{K}\Omega \pm 2\%$
2. BETA VALUE (0/50°C) :  $3892\text{K} \pm 1\%$
3. OPERATING TEMPERATURE RANGE : -40°C TO +135°C.
4. DISSIPATION FACTOR :  $1.5\text{mW}/^\circ\text{C}$
5. THERMAL TIME CONSTANT : LESS THAN 3SECONDS IN WATER
- 6.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		CURRENT REV DESC:		<b>molex</b>		
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	GENERAL TOLERANCES (UNLESS SPECIFIED)					
FUNCTIONAL SYMBOLS	DIMENSION UNITS	SCALE	EC NO: 657230		NTC EPOXY - 3892 40MM 10K2%		
$\nabla/\text{A} = 0$	mm	NTS	DRWN: RAVIKM		2021/03/03		
$\nabla/\text{E} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: RBBHASKAR		2021/03/05		
$\nabla/\text{F} = 0$	ANGULAR TOL ± °		APPR: RBBHASKAR		2021/03/05		
DIVISIONAL SYMBOLS	4 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER		
	3 PLACES ±		DRWN: RAVIKM		2021/03/03		
	2 PLACES ±		APPR: RBBHASKAR		2021/03/05		
	1 PLACE ±		MATERIAL NUMBER		2152725605		
	0 PLACES ±		SERIES		A3-SIZE 215272		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		CUSTOMER		SHEET NUMBER
			DRAWING		OTS		1 OF 1