



**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	147.10	153.70	160.70	50	1.760	1.796	1.833
-35	108.80	113.40	118.20	55	1.456	1.489	1.522
-30	81.200	84.370	87.650	60	1.211	1.240	1.270
-25	61.050	63.250	65.530	65	1.012	1.039	1.066
-20	46.240	47.770	49.350	70	0.850	0.874	0.898
-15	34.980	36.030	37.120	75	0.717	0.738	0.760
-10	26.690	27.420	28.170	80	0.607	0.626	0.646
-5	20.540	21.040	21.560	85	0.517	0.534	0.552
0	15.920	16.280	16.630	90	0.442	0.458	0.473
5	12.430	12.670	12.910	95	0.380	0.394	0.408
10	9.769	9.936	10.100	100	0.327	0.340	0.352
15	7.736	7.850	7.964	105	0.283	0.294	0.306
20	6.168	6.244	6.321	110	0.246	0.256	0.266
25	4.950	5.000	5.050	115	0.214	0.223	0.232
30	3.980	4.029	4.078	120	0.187	0.195	0.204
35	3.219	3.265	3.312	125	0.164	0.171	0.179
40	2.618	2.661	2.705	130	0.141	0.147	0.154
45	2.141	2.181	2.221	135	0.118	0.123	0.129

**NOTES:**

1. RESISTANCE @ 25°C :  $5\text{K}\Omega \pm 1\%$ .
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>			
	TRAP = 0	DIMENSION UNITS: mm SCALE: NTS						
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 657230 DRWN: RAVIKM 2021/03/03 CHK'D: RBBHASKAR 2021/03/05 APPR: RBBHASKAR 2021/03/05		NTC EPOXY - 3892 100MM 5K1%			
	ANGULAR TOL ± °	4 PLACES ±			PRODUCT CUSTOMER DRAWING			
DIVISIONAL SYMBOLS	3 PLACES ±	2 PLACES ±	INITIAL REVISION:		DOCUMENT NUMBER			
	1 PLACE ±	0 PLACES ±	DRWN: RAVIKM 2021/03/03 APPR: RBBHASKAR 2021/03/05		2152723507			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
				A3-SIZE	215272	2152723507	OTS	1 OF 1