



**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	324.756	333.563	342.369	50	3.587	3.601	3.614
-35	235.68	241.072	246.464	55	2.974	2.985	2.996
-30	172.491	176.082	179.673	60	2.478	2.487	2.496
-25	127.672	129.925	132.179	65	2.075	2.082	2.089
-20	954.061	96.807	98.209	70	1.745	1.751	1.757
-15	71.910	72.809	737.074	75	1.472	1.480	1.487
-10	54.713	55.253	55.793	80	1.248	1.256	1.264
-5	41.981	42.292	42.604	85	1.062	1.070	1.079
0	32.473	32.640	32.806	90	0.907	0.916	0.924
5	25.265	25.391	25.516	95	0.778	0.786	0.795
10	19.806	19.902	19.997	100	0.670	0.678	0.686
15	15.640	15.713	15.787	105	0.579	0.587	0.594
20	12.437	12.493	12.550	110	0.502	0.510	0.517
25	9.956	10.000	10.044	115	0.437	0.444	0.451
30	8.022	8.056	8.090	120	0.382	0.388	0.394
35	6.503	6.530	6.557	125	0.335	0.340	0.346
40	5.303	5.325	5.346	130	0.294	0.299	0.305
45	43.495	4.367	4.384	135	0.259	0.264	0.269

**NOTES:**

1. RESISTANCE @ 25°C :  $10\text{K}\Omega \pm 0.1^\circ\text{C} (\pm 0.44\%)$ .
2. BETA VALUE (0/50°C) :  $3892\text{K} \pm 1\%$ .
3. OPERATING TEMPERATURE RANGE :  $-40^\circ\text{C}$  TO  $+135^\circ\text{C}$ .
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>		
	DIMENSION UNITS	SCALE					
$\nabla_A = 0$	mm	NTS	EC NO: 657230 DRWN: RAVIKM CHK'D: RBBHASKAR APPR: RBBHASKAR INITIAL REVISION: DRWN: RAVIKM APPR: RBBHASKAR		NTC EPOXY - 3892 25MM 10K0.44%		
$\nabla_F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)						
$\nabla_V = 0$	ANGULAR TOL ± °				PRODUCT CUSTOMER DRAWING		
DIVISIONAL SYMBOLS	4 PLACES ±	±			DOCUMENT NUMBER		DOC TYPE
	3 PLACES ±	±	2021/03/04		2152721603		
	2 PLACES ±	±	2021/03/05		PSD 000 A		
	1 PLACE ±	±	2021/03/04		MATERIAL NUMBER		
	0 PLACES ±	±	2021/03/05		CUSTOMER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SHEET NUMBER		
			A3-SIZE	215272	1 OF 1		