



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	1458	1525	1595	50	16.56	16.9	17.24
-35	1062	1107	1154	55	13.69	14	14.31
-30	782.1	812.9	844.8	60	11.38	11.65	11.94
-25	581.6	602.7	624.4	65	9.501	9.749	10
-20	436.6	451	466	70	7.969	8.191	8.419
-15	329.8	339.8	350.1	75	6.713	6.912	7.116
-10	251.4	258.3	265.4	80	5.679	5.857	6.04
-5	193.3	198.1	203	85	4.824	4.983	5.147
0	149.8	153.1	156.5	90	4.114	4.256	4.403
5	116.9	119.1	121.5	95	3.521	3.648	3.78
10	91.850	93.420	95.010	100	3.024	3.138	3.257
15	72.730	73.800	74.870	105	2.606	2.709	2.815
20	57.980	58.700	59.420	110	2.253	2.345	2.441
25	46.530	47.000	47.470	115	1.955	2.037	2.123
30	37.410	37.870	38.330	120	1.7	1.775	1.852
35	30.260	30.700	31.140	125	1.484	1.551	1.62
40	24.620	25.020	25.430	130	1.268	1.327	1.388
45	20.140	20.510	20.890	135	1.052	1.103	1.156

NOTES:

1. RESISTANCE @ 25°C : 47KΩ±1%.
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

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	SCALE		
▽/A = 0	mm	NTS		NTC EPOXY - 3892 25MM 47K1%
▽/E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			PRODUCT CUSTOMER DRAWING
▽/V = 0	ANGULAR TOL ± °			
DIVISIONAL SYMBOLS	4 PLACES	±		DOCUMENT NUMBER
	3 PLACES	±		
	2 PLACES	±		
	1 PLACE	±		
	0 PLACES	±		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING
			EC NO: 657230 DRWN: RAVIKM CHK'D: RBBHASKAR APPR: RBBHASKAR INITIAL REVISION: DRWN: RAVIKM APPR: RBBHASKAR	2021/03/03 2021/03/05 2021/03/05 2021/03/03 2021/03/05
SERIES		MATERIAL NUMBER	CUSTOMER	DOC TYPE
A3-SIZE		215272	2152723903	PSD
SHEET NUMBER		1 OF 1		