



**LASER MARKING DETAILS**

R25 X  
YR/WK

B VALUE	CODE(X)
3964	MC

**RESISTANCE VS TEMP CHARACTERISTICS:**

Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)	Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)
-40	272.5	286.1	300.3	50	3.545	3.636	3.728
-35	200.3	209.7	219.4	55	2.936	3.016	3.099
-30	148.9	155.3	162	60	2.442	2.514	2.587
-25	111.7	116.2	120.9	65	2.041	2.105	2.17
-20	84.64	87.82	91.09	70	1.713	1.77	1.828
-15	64.66	66.9	69.21	75	1.444	1.494	1.545
-10	49.82	51.41	53.04	80	1.222	1.266	1.312
-5	38.69	39.83	40.99	85	1.039	1.078	1.119
0	30.29	31.1	31.93	90	0.886	0.922	0.958
5	23.92	24.5	25.1	95	0.759	0.791	0.823
10	19.01	19.42	19.85	100	0.653	0.681	0.71
15	15.19	15.49	15.79	105	0.563	0.588	0.614
20	12.2	12.41	12.63	110	0.487	0.509	0.533
25	9.85	10	10.15	115	0.423	0.443	0.463
30	7.958	8.096	8.235	120	0.368	0.386	0.405
35	6.459	6.585	6.712	125	0.321	0.337	0.354
40	5.266	5.38	5.495	130	0.274	0.288	0.303
45	4.312	4.414	4.517	135	0.227	0.239	0.252

**NOTES:**

1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±2%.
3. B-VALUE(25/85°C) : 3964K±1%.
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
6. TERMINAL IS NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
8. RESPONCE TIME : APPROX 10 SECOND IN LIQUID MEDIUM
- 9.INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS.

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>
	mm	NTS			
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 657688		PRODUCT CUSTOMER DRAWING
	ANGULAR TOL ± °		DRWN: RAVIKM 2021/03/10		
4 PLACES ±		CHK'D: RBBHASKAR 2021/03/17		DOCUMENT NUMBER	
3 PLACES ±		APPR: RBBHASKAR 2021/03/17		2146542633	
2 PLACES ±		INITIAL REVISION:		DOC TYPE DOC PART REVISION	
1 PLACE ±		DRWN: RAVIKM 2021/03/10		PSD 000 A	
0 PLACES ±		APPR: RBBHASKAR 2021/03/17		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	214654	CUSTOMER
					2146542633
					OTS
					1 OF 1