



LASER MARKING DETAILS	
R25 X YR/WK	
B VALUE	CODE(X)
3800	MB

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	274.5	286.8	299.5	50	3.712	3.786	3.861
-35	201.2	209.6	218.2	55	3.099	3.166	3.235
-30	149.2	154.9	160.8	60	2.599	2.660	2.723
-25	111.8	115.7	119.7	65	2.190	2.245	2.302
-20	84.560	87.290	90.090	70	1.853	1.903	1.954
-15	64.480	66.370	68.320	75	1.574	1.619	1.665
-10	49.620	50.950	52.300	80	1.343	1.383	1.425
-5	38.530	39.460	40.400	85	1.146	1.182	1.220
0	30.160	30.810	31.470	90	0.981	1.014	1.047
5	23.800	24.250	24.710	95	0.842	0.872	0.902
10	18.920	19.230	19.550	100	0.725	0.752	0.779
15	15.140	15.360	15.580	105	0.626	0.650	0.675
20	12.210	12.360	12.500	110	0.542	0.564	0.586
25	9.900	10.000	10.100	115	0.471	0.490	0.510
30	8.046	8.144	8.242	120	0.410	0.427	0.445
35	6.577	6.671	6.765	125	0.357	0.373	0.389
40	5.407	5.494	5.583	130	0.304	0.319	0.333
45	4.469	4.549	4.631	135	0.251	0.265	0.277

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±1%.
2. B-VALUE(25/85°C) : 3800K±1%.
3. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
4. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
5. TERMINAL IS NICKEL PLATED COPPER.
6. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
7. RESPONCE TIME : APPROX 10 SECOND IN LIQUID MEDIUM
8. 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:		molex
	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		2146521633	
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	214652	2146521633
					CUSTOMER
					OTS
					1 OF 1