



LASER MARKING DETAILS	
R25 X YR/WK	
B VALUE	CODE(X)
3982	MD

**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	293.5	306.8	320.7	50	3.485	3.556	3.629
-35	214.7	223.8	233.1	55	2.874	2.939	3.005
-30	158.8	165.0	171.3	60	2.382	2.441	2.500
-25	118.6	122.8	127.2	65	1.984	2.036	2.090
-20	89.390	92.320	95.340	70	1.660	1.706	1.754
-15	68.150	70.190	72.290	75	1.394	1.436	1.479
-10	52.350	53.780	55.230	80	1.176	1.213	1.251
-5	40.500	41.500	42.510	85	0.997	1.030	1.065
0	31.550	32.250	32.950	90	0.849	0.879	0.909
5	24.710	25.190	25.680	95	0.725	0.752	0.779
10	19.480	19.810	20.150	100	0.622	0.646	0.670
15	15.450	15.680	15.910	105	0.535	0.557	0.579
20	12.330	12.490	12.640	110	0.462	0.481	0.501
25	9.900	10.000	10.100	115	0.401	0.418	0.436
30	7.954	8.052	8.150	120	0.348	0.364	0.380
35	6.425	6.517	6.611	125	0.303	0.317	0.332
40	5.215	5.301	5.388	130	0.258	0.270	0.284
45	4.253	4.332	4.412	135	0.213	0.223	0.236

**NOTES:**

- RESISTANCE TOLERANCE @ 25°C : 10KΩ±1%.
- B-VALUE(25/85°C) : 3982K±1%.
- OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
- RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
- TERMINAL IS NICKEL PLATED COPPER.
- VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
- RESPONCE TIME : APPROX 10 SECOND IN LIQUID MEDIUM
- INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS.

FUNCTIONAL SYMBOLS ▽A = 0 ▽E = 0 ▽V = 0	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	EC NO: 657688 DRWN: RAVIKM CHK'D: RBBHASKAR APPR: RBBHASKAR		
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		2021/03/09		PRODUCT CUSTOMER DRAWING
	ANGULAR TOL ± °		2021/03/17		
	4 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER
	3 PLACES ±		DRWN: RAVIKM		2138651635
	2 PLACES ±		APPR: RBBHASKAR		DOC TYPE
	1 PLACE ±		2021/03/09		PSD
	0 PLACES ±		2021/03/17		DOC PART
			SERIES		000
			MATERIAL NUMBER		A
			CUSTOMER		
			SHEET NUMBER		
			A3-SIZE		
			213865		
			2138651635		
			OTS		
			1 OF 1		