



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	585.5	615.1	646.1	50	7.139	7.321	7.506
-35	426.9	447	468.1	55	5.906	6.068	6.233
-30	314.7	328.6	343	60	4.906	5.050	5.197
-25	234.5	244.1	254.1	65	4.091	4.219	4.349
-20	176.5	183.2	190.1	70	3.424	3.537	3.653
-15	133.9	138.6	143.5	75	2.876	2.976	3.079
-10	102.6	105.9	109.3	80	2.424	2.512	2.603
-5	79.220	81.570	83.960	85	2.056	2.135	2.216
0	61.700	63.360	65.060	90	1.750	1.820	1.892
5	48.440	49.620	50.830	95	1.495	1.557	1.621
10	38.300	39.150	40.000	100	1.281	1.337	1.394
15	30.490	31.100	31.700	105	1.102	1.151	1.202
20	24.430	24.860	25.290	110	0.950	0.994	1.039
25	19.700	20.000	20.300	115	0.821	0.861	0.901
30	15.910	16.180	16.460	120	0.712	0.747	0.784
35	12.920	13.170	13.420	125	0.619	0.651	0.684
40	10.550	10.770	11.000	130	0.526	0.555	0.584
45	8.656	8.860	9.067	135	0.433	0.459	0.484

**NOTES:**

- RESISTANCE TOLERANCE @ 25°C : 20KΩ±2%.
- 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	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		NTC RING CABLE - 3982 M3.5, 75MM,20K, 2%		
	ANGULAR TOL ± °		DRWN: RAVIKM		PRODUCT CUSTOMER DRAWING		
4 PLACES ±		APPR: RBBHASKAR		DOCUMENT NUMBER		DOC TYPE DOC PART REVISION	
3 PLACES ±		APPR: RBBHASKAR		2138652833		PSD 000 A	
2 PLACES ±		INITIAL REVISION:		MATERIAL NUMBER		CUSTOMER	
1 PLACE ±		DRWN: RAVIKM		2138652833		OTS	
0 PLACES ±		APPR: RBBHASKAR		SERIES		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		A3-SIZE		1 OF 1	