



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>			
	DIMENSION UNITS: mm	SCALE: NTS	EC NO: 657688				
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: RAVIKM	2021/03/17		NTC RING CABLE -3982 M3.5, 300MM,10K, 1%	
	ANGULAR TOL ± °		CHK'D: RBBHASKAR	2021/03/17		PRODUCT CUSTOMER DRAWING	
	4 PLACES ±		APPR: RBBHASKAR	2021/03/17		DOCUMENT NUMBER: 2138651637	
	3 PLACES ±		INITIAL REVISION:	2021/03/09		DOC TYPE: PSD	
2 PLACES ±		DRWN: RAVIKM	2021/03/17		DOC PART: 000		
1 PLACE ±		APPR: RBBHASKAR	2021/03/17		REVISION: A		
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 213865	MATERIAL NUMBER: 2138651637	CUSTOMER: OTS
SHEET NUMBER: 1 OF 1		DATE: 2021/03/17		TIME: 06:57:07			