



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	276.7	290.5	305.0	50	3.529	3.619	3.711
-35	203.1	212.6	222.5	55	2.920	3.000	3.082
-30	150.7	157.3	164.1	60	2.427	2.498	2.571
-25	113.0	117.5	122.3	65	2.027	2.090	2.155
-20	85.470	88.690	92.000	70	1.700	1.756	1.813
-15	65.210	67.480	69.810	75	1.431	1.481	1.532
-10	50.180	51.790	53.440	80	1.210	1.254	1.300
-5	38.940	40.080	41.250	85	1.028	1.067	1.108
0	30.440	31.260	32.090	90	0.877	0.912	0.948
5	24.020	24.600	25.200	95	0.750	0.782	0.814
10	19.060	19.480	19.910	100	0.645	0.672	0.701
15	15.220	15.520	15.820	105	0.556	0.580	0.606
20	12.210	12.420	12.640	110	0.480	0.502	0.525
25	9.850	10.000	10.150	115	0.417	0.436	0.457
30	7.950	8.088	8.227	120	0.362	0.380	0.399
35	6.447	6.573	6.699	125	0.316	0.332	0.349
40	5.252	5.365	5.479	130	0.270	0.284	0.299
45	4.296	4.397	4.500	135	0.224	0.236	0.249

### NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±2%.
3. B-VALUE(25/85°C) : 3982K±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>
	▽A = 0	mm	NTS		
▽E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				NTC RING CABLE - 3982 M3, 75MM, 10K, 2%
▽F = 0	ANGULAR TOL ± °				
DIVISIONAL SYMBOLS	4 PLACES	±		EC NO: 657688	PRODUCT CUSTOMER DRAWING
	3 PLACES	±		DRWN: RAVIKM 2021/03/10	
	2 PLACES	±		CHK'D: RBBHASKAR 2021/03/17	
	1 PLACE	±		APPR: RBBHASKAR 2021/03/17	
	0 PLACES	±		INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER
			A3-SIZE	214655	2146552633
					DOC TYPE
					PSD
					DOC PART
					000
					REVISION
					A
					SHEET NUMBER
					1 OF 1