



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	878.2	922.6	969.1	50	10.71	10.98	11.26
-35	640.3	670.5	702.1	55	8.86	9.102	9.35
-30	472.1	492.9	514.5	60	7.36	7.575	7.795
-25	351.8	366.2	381.1	65	6.137	6.328	6.524
-20	264.8	274.8	285.2	70	5.136	5.306	5.479
-15	200.9	207.9	215.2	75	4.314	4.464	4.618
-10	153.8	158.8	163.9	80	3.636	3.768	3.905
-5	118.8	122.3	125.9	85	3.084	3.202	3.323
0	92.54	95.04	97.59	90	2.626	2.73	2.838
5	72.66	74.44	76.24	95	2.243	2.336	2.432
10	57.45	58.72	60	100	1.922	2.005	2.091
15	45.74	46.64	47.55	105	1.652	1.726	1.803
20	36.65	37.29	37.93	110	1.425	1.491	1.559
25	29.55	30	30.45	115	1.232	1.291	1.352
30	23.86	24.28	24.69	120	1.069	1.121	1.176
35	19.38	19.76	20.14	125	0.929	0.976	1.025
40	15.82	16.16	16.51	130	0.789	0.831	0.874
45	12.98	13.29	13.6	135	0.649	0.686	0.723

**NOTES:**

- RESISTANCE TOLERANCE @ 25°C : 30KΩ±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 ▽/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:			
	DIMENSION UNITS: mm	SCALE: NTS	GENERAL TOLERANCES (UNLESS SPECIFIED)		
DIVISIONAL SYMBOLS	ANGULAR TOL ± °		EC NO: 657688		NTC RING CABLE - 3982 M3.5, 75MM,30K, 2% PRODUCT CUSTOMER DRAWING
	4 PLACES ±	3 PLACES ±	DRWN: RAVIKM 2021/03/09		
2 PLACES ±	1 PLACE ±	0 PLACES ±	CHK'D: RBBHASKAR 2021/03/17		DOCUMENT NUMBER: 2138652933
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			APPR: RBBHASKAR 2021/03/17		DOC TYPE: PSD
THIRD ANGLE PROJECTION		DRAWING: A3-SIZE	SERIES: 213865	MATERIAL NUMBER: 2138652933	DOC PART: 000
				CUSTOMER: OTS	REVISION: A
				SHEET NUMBER: 1 OF 1	