



LASER MARKING DETAILS	
R25 X YR/WK	
B VALUE	CODE(X)
3500	MA

**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	208.9	218.8	229.0	50	3.987	4.084	4.182
-35	157.2	164.1	171.3	55	3.375	3.463	3.552
-30	119.5	124.4	129.5	60	2.870	2.949	3.030
-25	91.650	95.170	98.800	65	2.450	2.522	2.595
-20	70.960	73.490	76.090	70	2.100	2.165	2.231
-15	55.340	57.170	59.050	75	1.807	1.865	1.925
-10	43.510	44.840	46.210	80	1.560	1.613	1.667
-5	34.490	35.460	36.450	85	1.351	1.399	1.448
0	27.530	28.240	28.970	90	1.175	1.218	1.262
5	22.120	22.650	23.170	95	1.024	1.063	1.104
10	17.900	18.280	18.670	100	0.896	0.931	0.968
15	14.580	14.860	15.140	105	0.785	0.818	0.851
20	11.950	12.150	12.360	110	0.691	0.720	0.750
25	9.850	10.000	10.150	115	0.609	0.636	0.663
30	8.135	8.274	8.415	120	0.539	0.563	0.588
35	6.755	6.884	7.013	125	0.477	0.499	0.522
40	5.639	5.756	5.875	130	0.415	0.435	0.456
45	4.73	4.837	4.945	135	0.353	0.371	0.39

**NOTES:**

- RESISTANCE TOLERANCE @ 25°C : 10KΩ±2%.
- B-VALUE(25/85°C) : 3500K±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 - 3500 M3.5, 150MM,10K,2%			
	4 PLACES	±	DRWN: RAVIKM	2021/03/08				
DIVISIONAL SYMBOLS	3 PLACES	±	CHK'D: RBBHASKAR	2021/03/17	PRODUCT CUSTOMER DRAWING			
	2 PLACES	±	APPR: RBBHASKAR	2021/03/17				
	1 PLACE	±	INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
	0 PLACES	±	DRWN: RAVIKM	2021/03/08	2138602635	PSD	000	A
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
			A3-SIZE	213860	2138602635	OTS	1 OF 1	