



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:

- RESISTANCE TOLERANCE @ 25°C : 10KΩ±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:		molex
	DIMENSION UNITS	SCALE			
▽/A = 0	mm	NTS			NTC RING CABLE -3982 M3.5, 300MM,10K, 2%
▽/E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
▽/V = 0	ANGULAR TOL ± °				PRODUCT CUSTOMER DRAWING
DIVISIONAL SYMBOLS	4 PLACES	±			
	3 PLACES	±	EC NO: 657688	2021/03/09	DOCUMENT NUMBER
	2 PLACES	±	DRWN: RAVIKM	2021/03/17	
	1 PLACE	±	CHK'D: RBBHASKAR	2021/03/17	DOC TYPE
	0 PLACES	±	APPR: RBBHASKAR	2021/03/17	DOC PART
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		INITIAL REVISION:		REVISION
	THIRD ANGLE PROJECTION		DRWN: RAVIKM	2021/03/09	A
	DRAWING		APPR: RBBHASKAR	2021/03/17	
	A3-SIZE	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		213865	2138652637	OTS	1 OF 1