



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	136.50	143.40	150.70	50	1.646	1.689	1.732
-35	101.20	105.90	110.90	55	1.362	1.400	1.438
-30	75.560	78.900	82.380	60	1.133	1.166	1.200
-25	56.860	59.210	61.640	65	0.946	0.976	1.006
-20	43.100	44.760	46.460	70	0.794	0.821	0.848
-15	32.670	33.830	35.020	75	0.670	0.693	0.717
-10	24.970	25.780	26.620	80	0.567	0.588	0.609
-5	19.230	19.800	20.390	85	0.483	0.502	0.521
0	14.920	15.330	15.740	90	0.413	0.430	0.447
5	11.640	11.920	12.220	95	0.355	0.369	0.385
10	9.144	9.348	9.553	100	0.306	0.319	0.333
15	7.239	7.382	7.527	105	0.265	0.276	0.288
20	5.770	5.871	5.972	110	0.230	0.240	0.251
25	4.630	4.700	4.771	115	0.200	0.209	0.219
30	3.722	3.786	3.852	120	0.175	0.183	0.192
35	3.010	3.069	3.128	125	0.153	0.161	0.169
40	2.448	2.501	2.555	130	0.131	0.139	0.146
45	2.002	2.050	2.098	135	0.109	0.117	0.123

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 4.7KΩ±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 ▽/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:		molex				
	DIMENSION UNITS: mm	SCALE: NTS	EC NO: 657688				NTC RING CABLE -3982 M3.5, 75MM,4.7K, 2%	
	GENERAL TOLERANCES (UNLESS SPECIFIED)	ANGULAR TOL ± °		DRWN: RAVIKM	2021/03/09	PRODUCT CUSTOMER DRAWING		
	4 PLACES ±	3 PLACES ±		CHK'D: RBBHASKAR	2021/03/17	DOCUMENT NUMBER: 2138652433		
2 PLACES ±	1 PLACE ±		APPR: RBBHASKAR	2021/03/17	DOC TYPE: PSD	DOC PART: 000	REVISION: A	
0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		INITIAL REVISION:	DRWN: RAVIKM	2021/03/09	MATERIAL NUMBER: 2138652433		
THIRD ANGLE PROJECTION		DRAWING: A3-SIZE	SERIES: 213865	APPR: RBBHASKAR	2021/03/17	CUSTOMER: OTS	SHEET NUMBER: 1 OF 1	