



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	585.5	615.1	646.1	50	7.139	7.321	7.506
-35	426.9	447	468.1	55	5.906	6.068	6.233
-30	314.7	328.6	343	60	4.906	5.050	5.197
-25	234.5	244.1	254.1	65	4.091	4.219	4.349
-20	176.5	183.2	190.1	70	3.424	3.537	3.653
-15	133.9	138.6	143.5	75	2.876	2.976	3.079
-10	102.6	105.9	109.3	80	2.424	2.512	2.603
-5	79.220	81.570	83.960	85	2.056	2.135	2.216
0	61.700	63.360	65.060	90	1.750	1.820	1.892
5	48.440	49.620	50.830	95	1.495	1.557	1.621
10	38.300	39.150	40.000	100	1.281	1.337	1.394
15	30.490	31.100	31.700	105	1.102	1.151	1.202
20	24.430	24.860	25.290	110	0.950	0.994	1.039
25	19.700	20.000	20.300	115	0.821	0.861	0.901
30	15.910	16.180	16.460	120	0.712	0.747	0.784
35	12.920	13.170	13.420	125	0.619	0.651	0.684
40	10.550	10.770	11.000	130	0.526	0.555	0.584
45	8.656	8.860	9.067	135	0.433	0.459	0.484

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 20KΩ±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

FA=

0

FE=

0

FE=

0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 657688

DRWN: RAVIKM

CHK'D: RBBHASKAR

APPR: RBBHASKAR

INITIAL REVISION:

DRWN: RAVIKM

APPR: RBBHASKAR

THIRD ANGLE PROJECTION

DRAWING

SERIES

2021/03/09

2021/03/17

2021/03/17

2021/03/09

2021/03/17

A3-SIZE

213865

molex

NTC RING CABLE - 3982 M3.5, 75MM,20K, 2%

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

2138652833

DOC TYPE

PSD

DOC PART

000

REVISION

A

MATERIAL NUMBER

2138652833

CUSTOMER

OTS

SHEET NUMBER

1 OF 1

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