



LASER MARKING DETAILS

R25 X
YR/WK

B VALUE	CODE(X)
3800	MB

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	274.5	286.8	299.5	50	3.712	3.786	3.861
-35	201.2	209.6	218.2	55	3.099	3.166	3.235
-30	149.2	154.9	160.8	60	2.599	2.660	2.723
-25	111.8	115.7	119.7	65	2.190	2.245	2.302
-20	84.560	87.290	90.090	70	1.853	1.903	1.954
-15	64.480	66.370	68.320	75	1.574	1.619	1.665
-10	49.620	50.950	52.300	80	1.343	1.383	1.425
-5	38.530	39.460	40.400	85	1.146	1.182	1.220
0	30.160	30.810	31.470	90	0.981	1.014	1.047
5	23.800	24.250	24.710	95	0.842	0.872	0.902
10	18.920	19.230	19.550	100	0.725	0.752	0.779
15	15.140	15.360	15.580	105	0.626	0.650	0.675
20	12.210	12.360	12.500	110	0.542	0.564	0.586
25	9.900	10.000	10.100	115	0.471	0.490	0.510
30	8.046	8.144	8.242	120	0.410	0.427	0.445
35	6.577	6.671	6.765	125	0.357	0.373	0.389
40	5.407	5.494	5.583	130	0.304	0.319	0.333
45	4.469	4.549	4.631	135	0.251	0.265	0.277

NOTES:

- RESISTANCE TOLERANCE @ 25°C : 10KΩ±1%.
- B-VALUE(25/85°C) : 3800K±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	SCALE mm NTS	CURRENT REV DESC:	molex			
	GENERAL TOLERANCES (UNLESS SPECIFIED)	EC NO: 657688	2021/03/09				NTC RING CABLE - 3800 M3.5, 300MM,10K,1%
	ANGULAR TOL ± °	4 PLACES ±	DRWN: RAVIKM	2021/03/17	PRODUCT CUSTOMER DRAWING		
	3 PLACES ±	2 PLACES ±	CHK'D: RBBHASKAR	2021/03/17	DOCUMENT NUMBER		
DIVISIONAL SYMBOLS	1 PLACE ±	APPR: RBBHASKAR	2021/03/17	2138621637	PSD	000	A
0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	INITIAL REVISION: DRWN: RAVIKM APPR: RBBHASKAR	2021/03/09 2021/03/17	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
	THIRD ANGLE PROJECTION	DRAWING	SERIES	2138621637	OTS	1 OF 1	