



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	145.30	152.60	160.30	50	1.752	1.796	1.842
-35	107.60	112.70	118.00	55	1.449	1.489	1.530
-30	80.380	83.940	87.630	60	1.205	1.240	1.277
-25	60.490	62.990	65.580	65	1.007	1.038	1.071
-20	45.850	47.610	49.430	70	0.845	0.873	0.902
-15	34.750	35.990	37.250	75	0.713	0.738	0.763
-10	26.560	27.430	28.320	80	0.604	0.626	0.648
-5	20.460	21.070	21.690	85	0.514	0.534	0.554
0	15.870	16.310	16.750	90	0.440	0.457	0.475
5	12.380	12.680	13.000	95	0.377	0.393	0.409
10	9.728	9.944	10.163	100	0.325	0.339	0.354
15	7.701	7.853	8.007	105	0.281	0.294	0.307
20	6.138	6.246	6.353	110	0.244	0.256	0.267
25	4.925	5.000	5.075	115	0.213	0.223	0.233
30	3.959	4.028	4.097	120	0.186	0.195	0.204
35	3.202	3.265	3.328	125	0.163	0.171	0.180
40	2.605	2.661	2.718	130	0.140	0.147	0.156
45	2.130	2.181	2.232	135	0.117	0.123	0.132

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 5KΩ±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	GENERAL TOLERANCES (UNLESS SPECIFIED)			
DIVISIONAL SYMBOLS	ANGULAR TOL ± °	EC NO: 657688	2021/03/09	PRODUCT CUSTOMER DRAWING		
	4 PLACES ±	DRWN: RAVIKM	2021/03/17	DOCUMENT NUMBER: 2138652533		
	3 PLACES ±	CHK'D: RBBHASKAR	2021/03/17	DOC TYPE: PSD	DOC PART: 000	REVISION: A
	2 PLACES ±	APPR: RBBHASKAR	2021/03/17	MATERIAL NUMBER: 2138652533		
1 PLACE ±	INITIAL REVISION:	DRWN: RAVIKM	2021/03/09	CUSTOMER: OTS		SHEET NUMBER: 1 OF 1
0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPR: RBBHASKAR	2021/03/17	SERIES: A3-SIZE 213865		