



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	87.150	91.560	96.160	50	1.051	1.078	1.105
-35	64.570	67.630	70.810	55	0.869	0.893	0.918
-30	48.230	50.360	52.580	60	0.723	0.744	0.766
-25	36.300	37.790	39.350	65	0.604	0.623	0.642
-20	27.510	28.570	29.660	70	0.507	0.524	0.541
-15	20.850	21.590	22.350	75	0.428	0.443	0.458
-10	15.940	16.460	16.990	80	0.362	0.375	0.389
-5	12.270	12.640	13.020	85	0.308	0.320	0.332
0	9.524	9.784	10.050	90	0.264	0.274	0.285
5	7.427	7.611	7.797	95	0.226	0.236	0.246
10	5.837	5.967	6.098	100	0.195	0.204	0.212
15	4.620	4.712	4.804	105	0.169	0.176	0.184
20	3.683	3.747	3.812	110	0.147	0.153	0.160
25	2.955	3.000	3.045	115	0.128	0.134	0.140
30	2.375	2.417	2.458	120	0.112	0.117	0.123
35	1.921	1.959	1.997	125	0.098	0.103	0.108
40	1.563	1.597	1.631	130	0.084	0.089	0.093
45	1.278	1.308	1.339	135	0.070	0.075	0.078

NOTES:

- RESISTANCE TOLERANCE @ 25°C : 3KΩ±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 ▽/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		
	mm	NTS	EC NO: 657688				
	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: RAVIKM 2021/03/09				
	ANGULAR TOL ± °		CHK'D: RBBHASKAR 2021/03/17				
DIVISIONAL SYMBOLS	4 PLACES ±	APPR: RBBHASKAR 2021/03/17		PRODUCT CUSTOMER DRAWING			
	3 PLACES ±	INITIAL REVISION:		DOCUMENT NUMBER			
	2 PLACES ±	DRWN: RAVIKM 2021/03/09		2138652333			
	1 PLACE ±	APPR: RBBHASKAR 2021/03/17		DOC TYPE DOC PART REVISION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		⊕	A3-SIZE	213865	2138652333	OTS	1 OF 1