



LASER MARKING DETAILS

R25 X
YR/WK

B VALUE	CODE(X)
3800	MB

RESISTANCE VS TEMP CHARACTERISTICS:

Temp(°C)	R min (K Ω)	R nom (K Ω)	R max (K Ω)	Temp(°C)	R min (K Ω)	R nom (K Ω)	R max (K Ω)
-40	273.2	286.8	301	50	3.693	3.786	3.88
-35	200.2	209.6	219.3	55	3.083	3.166	3.251
-30	148.4	154.9	161.6	60	2.586	2.66	2.736
-25	111.2	115.7	120.3	65	2.179	2.245	2.313
-20	84.130	87.290	90.540	70	1.843	1.903	1.964
-15	64.150	66.370	68.660	75	1.566	1.619	1.674
-10	49.370	50.950	52.560	80	1.336	1.383	1.432
-5	38.330	39.460	40.600	85	1.14	1.182	1.226
0	30.010	30.810	31.630	90	0.976	1.014	1.053
5	23.680	24.250	24.840	95	0.838	0.872	0.907
10	18.820	19.230	19.650	100	0.721	0.752	0.783
15	15.070	15.360	15.660	105	0.623	0.65	0.678
20	12.140	12.360	12.570	110	0.539	0.564	0.589
25	9.850	10.000	10.150	115	0.468	0.49	0.513
30	8.005	8.144	8.283	120	0.407	0.427	0.447
35	6.544	6.671	6.798	125	0.355	0.373	0.391
40	5.380	5.494	5.610	130	0.303	0.319	0.335
45	4.446	4.549	4.654	135	0.251	0.265	0.279

NOTES:

- RESISTANCE TOLERANCE @ 25°C : 10K Ω ±2%.
- 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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex
	$\nabla_A = 0$	mm	NTS		
$\nabla_E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)				NTC RING CABLE - 3802 M3, 75MM, 10K, 2%
$\nabla_V = 0$	ANGULAR TOL ± °				
DIVISIONAL SYMBOLS	4 PLACES	±		EC NO: 657688	PRODUCT CUSTOMER DRAWING
	3 PLACES	±		DRWN: RAVIKM 2021/03/10	
	2 PLACES	±		CHK'D: RBBHASKAR 2021/03/17	
	1 PLACE	±		APPR: RBBHASKAR 2021/03/17	
	0 PLACES	±		INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER
			A3-SIZE	214652	2146522633
					DOC TYPE
					PSD
					DOC PART
					000
					REVISION
					A
					SHEET NUMBER
					1 OF 1