

LASER MARKING DETAILS

R25 X
YR/WK

B VALUE	CODE(X)
3500	MA

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	210.000	218.800	227.900	50	4.007	4.084	4.162
-35	158.000	164.100	170.400	55	3.392	3.463	3.535
-30	120.100	124.400	128.800	60	2.884	2.949	3.015
-25	92.120	95.170	98.310	65	2.463	2.522	2.582
-20	71.320	73.490	75.720	70	2.111	2.165	2.220
-15	55.620	57.170	58.750	75	1.816	1.865	1.916
-10	43.730	44.840	45.980	80	1.568	1.613	1.659
-5	34.660	35.460	36.270	85	1.358	1.399	1.441
0	27.670	28.240	28.820	90	1.181	1.218	1.256
5	22.240	22.650	23.060	95	1.029	1.063	1.098
10	17.990	18.280	18.580	100	0.900	0.931	0.963
15	14.650	14.860	15.070	105	0.789	0.818	0.847
20	12.010	12.150	12.300	110	0.694	0.720	0.747
25	9.900	10.000	10.100	115	0.612	0.636	0.660
30	8.176	8.274	8.373	120	0.541	0.563	0.585
35	6.790	6.884	6.979	125	0.480	0.499	0.520
40	5.667	5.756	5.846	130	0.419	0.435	0.455
45	4.754	4.837	4.921	135	0.358	0.371	0.390

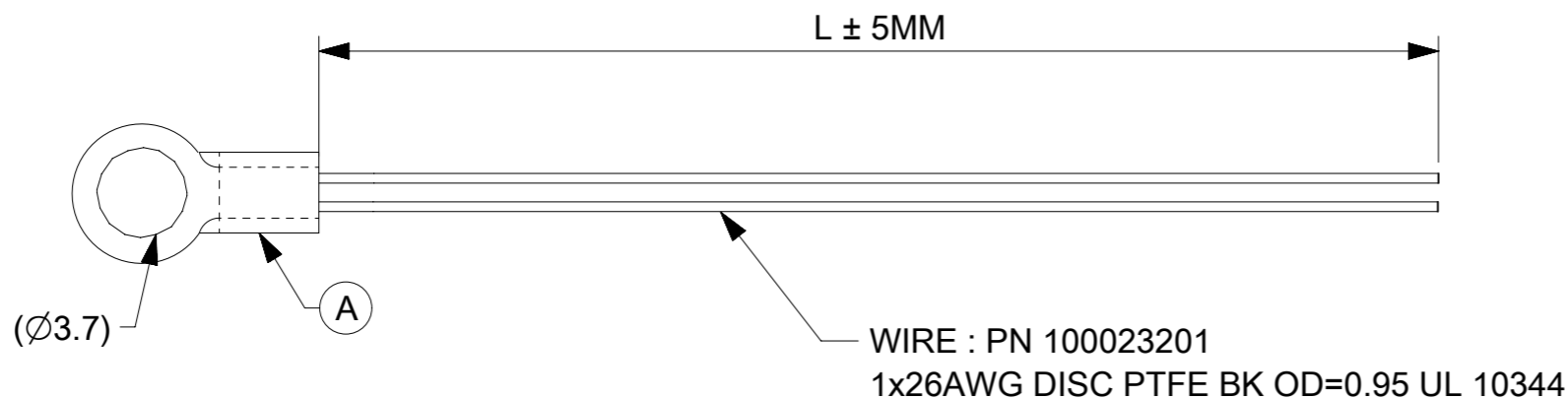
NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±1%.
3. B-VALUE(25/85°C) : 3500K±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	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			
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 657688		PRODUCT CUSTOMER DRAWING
	ANGULAR TOL ± °		DRWN: RAVIKM 2021/03/10		
4 PLACES ±		CHK'D: RBBHASKAR 2021/03/17		DOCUMENT NUMBER	
3 PLACES ±		APPR: RBBHASKAR 2021/03/17		2146501633	
2 PLACES ±		INITIAL REVISION:		DOC TYPE DOC PART REVISION	
1 PLACE ±		DRWN: RAVIKM 2021/03/10		PSD 001 A	
0 PLACES ±		APPR: RBBHASKAR 2021/03/17		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	214650	2146501633
					CUSTOMER
					OTS
					1 OF 1

BILL OF MATERIALS:

ITEM	PN	DESCRIPTION	QTY	UOM
A	NTC PROBE (Refer Sheet 2)	NTC Thermistor Ring Terminal	1	PC



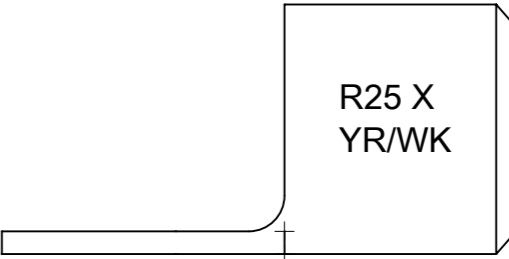
NOTES:

1. RESISTANCE TO BE TESTED 100% AT 25°C ▽
2. RESISTANCE TOLERANCE @ 25°C : SEE CHART (SHEET 2).
3. B-VALUE(25/85°C) : SEE CHART (SHEET 2)
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM
6. TERMINAL MUST BE NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
8. RESPONCE TIME : APPROX 5 SECOND IN WATER
- 9.INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS
- 10.LENGTH VARIATION BETWEEN TWO WIRES ARE NOT ALLOWED

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC:						
	mm	NTS							
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 644545			NTC THERMISTOR RING TERMINAL PROBE PRODUCT CUSTOMER DRAWING			
▽ = 0	ANGULAR TOL ± °		DRWN: RAVIKM 2020/09/02						
▽ = 0	4 PLACES ±		CHK'D: RK 2020/09/03			DOCUMENT NUMBER: 2146501633 DOC TYPE: PSD DOC PART: 000 REVISION: A2			
▽ = 0	3 PLACES ±		APPR: RK 2020/09/03						
▽ = 0	2 PLACES ±		INITIAL REVISION:			MATERIAL NUMBER: SEE SPEC TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 2			
▽ = 0	1 PLACE ±		DRWN: RAVIKM 2020/02/25						
▽ = 0	0 PLACES ±		APPR: RK 2020/03/05						
□ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES				
▽ = 0				A3-SIZE	214650				

PART NO	NTC PROBE PN	RESISTANCE AT 25°C (KΩ)	RESISTANCE TOLERANCE (±%)	B VALUE (25/85°C)	B VALUE TOLERANCE (±%)	WIRE LENGTH (L)MM
2146501633	369050096	10K	1	3500	1	75mm
2146502633	369050097	10K	2	3500	1	75mm
2146521633	369050098	10K	1	3800	1	75mm
2146522633	369050099	10K	2	3800	1	75mm
2146541633	369050100	10K	1	3964	1	75mm
2146542633	369050101	10K	2	3964	1	75mm
2146551633	369050102	10K	1	3982	1	75mm
2146552633	369050103	10K	2	3982	1	75mm

LASER MARKING DETAILS



B VALUE	CODE(X)
3500	MA
3800	MB
3964	MC
3982	MD

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
▽ = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC:							<h1 style="margin: 0;">molex</h1>	
▽ = 0	mm	NTS	EC NO: 644545								
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: RAVIKM 2020/09/02							PRODUCT CUSTOMER DRAWING	
▽ = 0	ANGULAR TOL ± °		CHK'D: RK 2020/09/03								
▽ = 0	4 PLACES ±		APPR: RK 2020/09/03							2146501633	
▽ = 0	3 PLACES ±		INITIAL REVISION:								
▽ = 0	2 PLACES ±		DRWN: RAVIKM 2020/02/25							DOC TYPE	
▽ = 0	1 PLACE ±		APPR: RK 2020/03/05								
▽ = 0	0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							REVISION	
▽ = 0	THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		
▽ = 0	A3-SIZE		214650		SEE SPEC TABLE		GENERAL MARKET		SHEET NUMBER		
▽ = 0	2 OF 2										