

LASER MARKING DETAILS

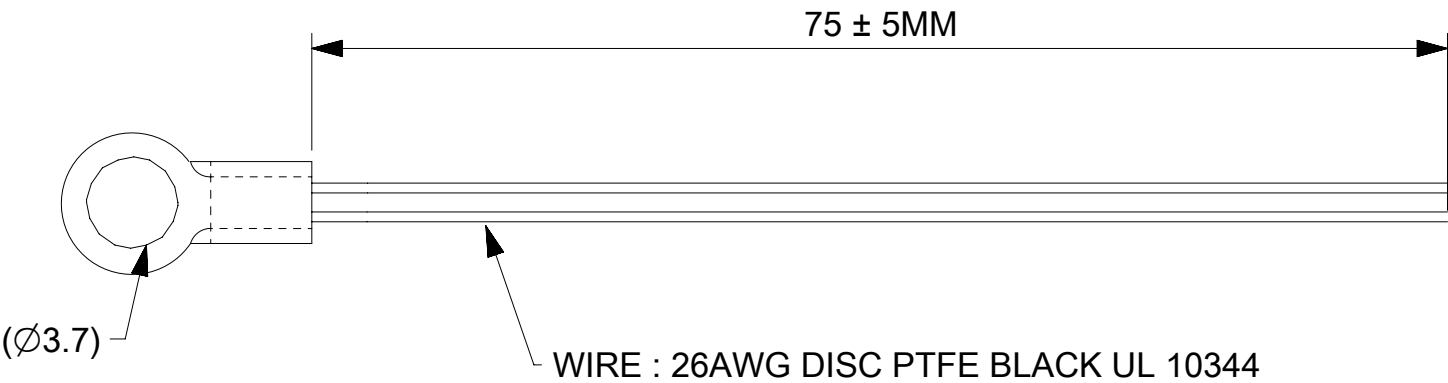
R25 X  
YR/WK

B VALUE

3982

CODE(X)

MD



RESISTANCE VS TEMP CHARACTERISTICS:

| Temp(°C) | R min<br>(KΩ) | R nom<br>(KΩ) | R max<br>(KΩ) | Temp(°C) | R min<br>(KΩ) | R nom<br>(KΩ) | R max<br>(KΩ) |
|----------|---------------|---------------|---------------|----------|---------------|---------------|---------------|
| -40      | 293.5         | 306.8         | 320.7         | 50       | 3.485         | 3.556         | 3.629         |
| -35      | 214.7         | 223.8         | 233.1         | 55       | 2.874         | 2.939         | 3.005         |
| -30      | 158.8         | 165.0         | 171.3         | 60       | 2.382         | 2.441         | 2.500         |
| -25      | 118.6         | 122.8         | 127.2         | 65       | 1.984         | 2.036         | 2.090         |
| -20      | 89.390        | 92.320        | 95.340        | 70       | 1.660         | 1.706         | 1.754         |
| -15      | 68.150        | 70.190        | 72.290        | 75       | 1.394         | 1.436         | 1.479         |
| -10      | 52.350        | 53.780        | 55.230        | 80       | 1.176         | 1.213         | 1.251         |
| -5       | 40.500        | 41.500        | 42.510        | 85       | 0.997         | 1.030         | 1.065         |
| 0        | 31.550        | 32.250        | 32.950        | 90       | 0.849         | 0.879         | 0.909         |
| 5        | 24.710        | 25.190        | 25.680        | 95       | 0.725         | 0.752         | 0.779         |
| 10       | 19.480        | 19.810        | 20.150        | 100      | 0.622         | 0.646         | 0.670         |
| 15       | 15.450        | 15.680        | 15.910        | 105      | 0.535         | 0.557         | 0.579         |
| 20       | 12.330        | 12.490        | 12.640        | 110      | 0.462         | 0.481         | 0.501         |
| 25       | 9.900         | 10.000        | 10.100        | 115      | 0.401         | 0.418         | 0.436         |
| 30       | 7.954         | 8.052         | 8.150         | 120      | 0.348         | 0.364         | 0.380         |
| 35       | 6.425         | 6.517         | 6.611         | 125      | 0.303         | 0.317         | 0.332         |
| 40       | 5.215         | 5.301         | 5.388         | 130      | 0.258         | 0.270         | 0.284         |
| 45       | 4.253         | 4.332         | 4.412         | 135      | 0.213         | 0.223         | 0.236         |

- NOTES:
1. RESISTANCE TOLERANCE @ 25°C : 10KΩ±1%.

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

FA=

0

FE=

0

FE=

0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

NTS

CURRENT REV DESC:

EC NO: 657688

DRWN: RAVIKM

2021/03/10

CHK'D: RBBHASKAR

2021/03/17

APPR: RBBHASKAR

2021/03/17

INITIAL REVISION:

DRWN: RAVIKM

2021/03/10

APPR: RBBHASKAR

2021/03/17

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

214655

MATERIAL NUMBER

2146551633

CUSTOMER

OTS

SHEET NUMBER

1 OF 1

molex

NTC RING CABLE - 3982, M3.5 75MM 10K, 1%

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

2146551633

DOC TYPE

PSD

DOC PART

000

REVISION

A

DOCUMENT STATUS

P1

RELEASE DATE

2021/03/17

06:57:13

9

8

7

6

5

4

3

2

1