

## 5MTD0903



### Electrical Characteristics (UL/CSA STD. 248-14)

| Testing current | Blow Time |         |
|-----------------|-----------|---------|
|                 | Minimum   | Maximum |
| 100%            | 4 Hrs.    | N/A     |
| 135%            | N/A       | 1 Hr    |
| 200%            | N/A       | 15 Sec  |
| 1000%           | 10 mSec   | N/A     |

### Approvals



| Safety Agency Approvals   | Type              | Amp range / Volt @ I.R.ability   |
|---|-------------------|--|
| Listed File No. E20624<br>Certified File No. LR39772                              | 5MT / 5MTP        | 100mA - 800mA / 250V AC@ 35A<br>1A - 3A / 250V AC@ 100A<br>100mA - 5A / 125V AC@ 10,000A |
| File No. JET1037-31003-1001,<br>JET1037-31003-1003<br>File No. JET1037-31003-1002 | 5MT / 5MTP<br>5MT | 1A - 5A / 125V AC@ 500A<br>>5A - 15A / 125V AC@ 300A                                     |

### Operating Temperature:

-55°C to +125°C

### Physical Specification

#### Materials

Glass body / Nickel Plated Brass Caps

Lead wire :

Tin-lead plated Copper,

Diameter 0.032", 5A and less

Diameter 0.040", 6A and above

Marking:

On fuse:

"bel", "5MT", "Current Rating", "Voltage Rating",  
and "Appropriate Safety Logos"

On label:

Above info plus "CE" and interrupting rating

Voltage on fuse:

250V for 100mA to 3A; 125V for rating above 3A

#### Packaging

1. In bulk:

**5MT** - 1,000 pcs per box; **5MTP** - 500 pcs per box

2. On Axial Tape & Reel:

1,500 pcs per reel

3. Tape & Reel specification:

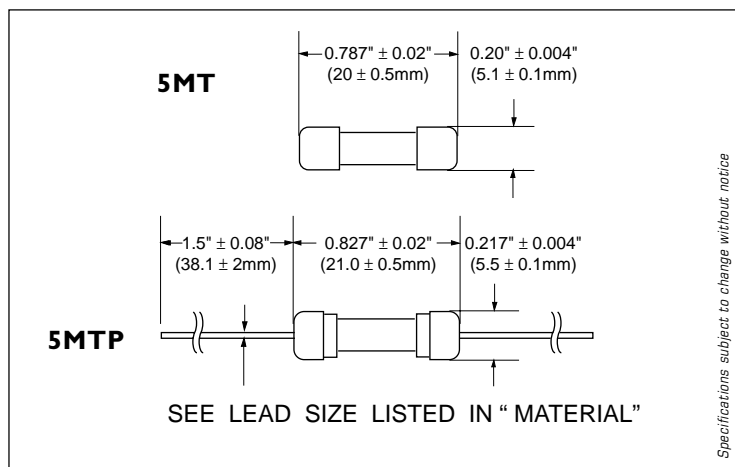
per EIA-296-E & IEC 286-1

@ 10mm Pitch and 63.5mm inside Tape Spacing

| Catalog Number | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @100% In (Volt) max. | Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec) | Melting I <sup>2</sup> T @10 In (A <sup>2</sup> Sec) | Maximum Power Dissipation (W) |
|----------------|---------------|-------------------------------|--------------------------------|---|--|-------------------------------|
| 5MT (P) 100    | 100mA         | 12                            | 1.7                            | 0.02  | 0.04   | 0.30                          |
| 5MT (P) 125    | 125mA         | 8                             | 1.4                            | 0.04  | 0.07   | 0.32                          |
| 5MT (P) 160    | 160mA         | 5                             | 1.2                            | 0.06  | 0.11   | 0.34                          |
| 5MT (P) 200    | 200mA         | 3.4                           | 1.0                            | 0.11  | 0.18   | 0.36                          |
| 5MT (P) 250    | 250mA         | 2.2                           | 0.9                            | 0.18  | 0.30   | 0.38                          |
| 5MT (P) 300    | 300mA         | 1.5                           | 0.7                            | 0.31  | 0.50   | 0.37                          |
| 5MT (P) 375    | 375mA         | 1.1                           | 0.6                            | 0.47  | 0.75   | 0.40                          |
| 5MT (P) 500    | 500mA         | 0.6                           | 0.53                           | 0.9   | 1.4  | 0.43                          |
| 5MT (P) 600    | 600mA         | 0.4                           | 0.45                           | 1.5   | 2.3  | 0.45                          |
| 5MT (P) 750    | 750mA         | 0.3                           | 0.39                           | 2.3   | 3.5  | 0.49                          |
| 5MT (P) 1      | 1A            | 0.2                           | 0.32                           | 4.2   | 6.4  | 0.49                          |
| 5MT (P) 1.25   | 1.25A         | 0.1                           | 0.27                           | 7.2   | 10.6   | 0.52                          |
| 5MT (P) 1.6    | 1.6A          | 0.08                          | 0.23                           | 12.1  | 17.7   | 0.55                          |
| 5MT (P) 2      | 2A            | 0.05                          | 0.19                           | 20  | 29   | 0.59                          |
| 5MT (P) 2.5    | 2.5A          | 0.04                          | 0.18                           | 35  | 49   | 0.65                          |
| 5MT (P) 3      | 3A            | 0.030                         | 0.172                          | 58  | 82   | 0.74                          |
| 5MT (P) 3.5    | 3.5A          | 0.026                         | 0.167                          | 76  | 105  | 0.84                          |
| 5MT (P) 4      | 4A            | 0.022                         | 0.162                          | 99  | 136  | 0.9                           |
| 5MT (P) 5      | 5A            | 0.017                         | 0.152                          | 167   | 226  | 1.1                           |

Consult manufacturer for other ratings

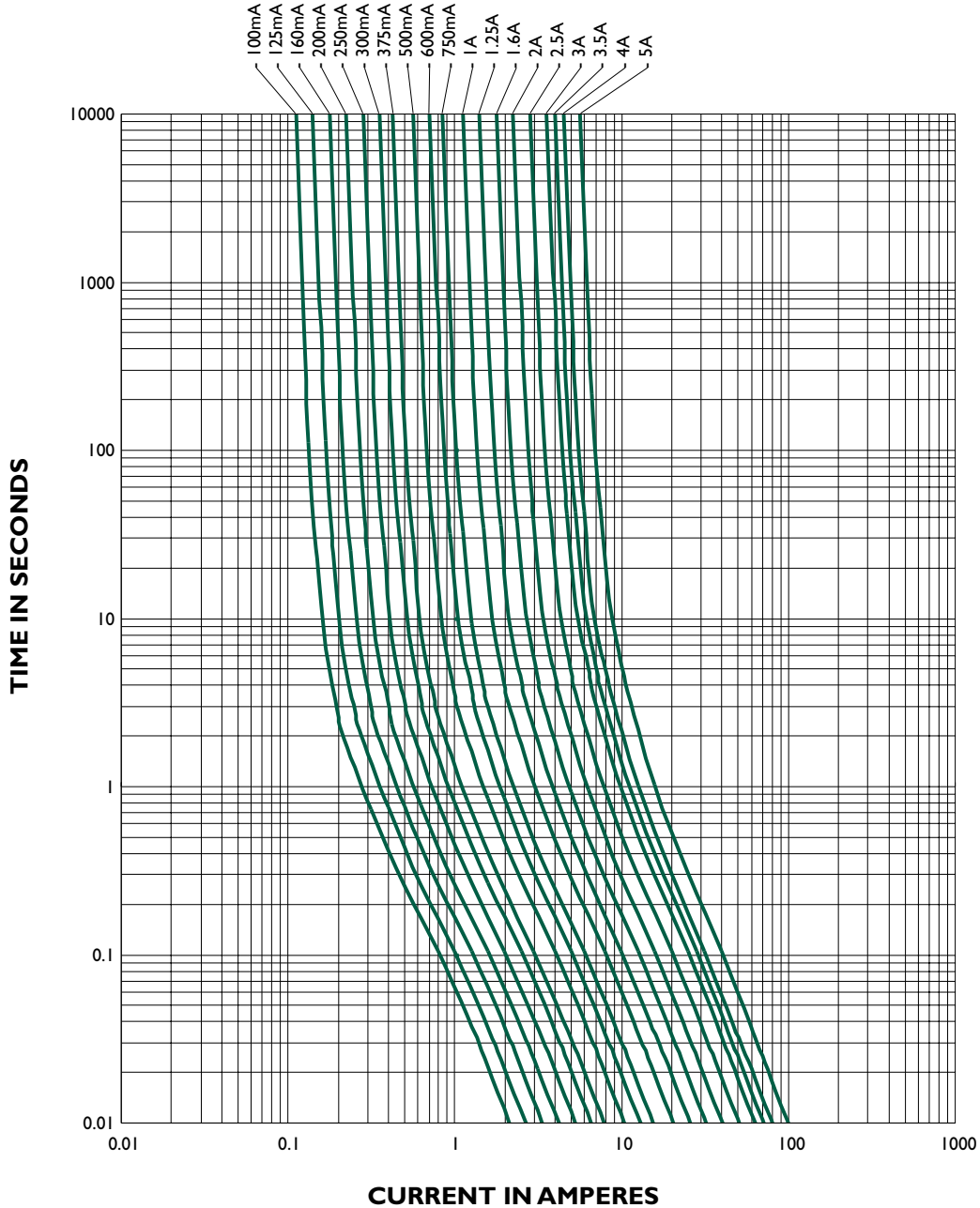
### Mechanical Dimensions



Specifications subject to change without notice

ORDERING INFORMATION SEE PAGES 67 & 68

**5MT / 5MTP - TIME CURRENT CHARACTERISTIC CURVE**



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NOTE - see important information under "User Guide" on P.08

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