

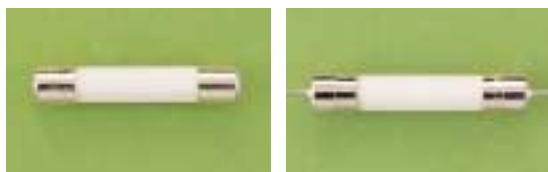


defining a degree of excellence

## Type 3AB / 3ABP Fast Blow Fuse Series

1/4 x 1 1/4 inch Ceramic Tube

3ABD0903



### 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       | 5 sec   |

### Approvals



| Safety Agency Approvals                                                           | Type                  | Amp range / Volt @ I.R. ability                                                                                          |
|-----------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------|
| Listed File No. E20624<br>Certified File No. LR39772                              | 3AB / 3ABP            | 100mA - 1A / 250V AC@ 35A<br>>1A - 3.5A / 250V AC@ 100A<br>>3.5A - 10A / 250V AC@ 200A<br>100mA - 10A / 125V AC@ 10,000A |
| File No. JET1037-31003-1001,<br>JET1037-31003-1003<br>File No. JET1037-31003-1002 | 3AB / 3ABP<br><br>3AB | 1A - 5A / 125V AC@ 500A<br>>5A - 15A / 125V AC@ 300A                                                                     |

### Storage Temperature

-55°C to +125°C

### Physical Specification

#### Materials

Ceramic body / Nickel Plated Brass Caps

Lead wire:

Tin-lead plated Copper; Diameter 0.040" for all ratings

#### Marking

On fuse:

"bel", "3AB", "Current Rating", "Voltage Rating", and  
"Appropriate Safety Logos"

On label:

Above info plus "CE" and interrupting rating

Voltage on fuse:

250V for 100mA to 10A

#### Packaging

1. In bulk:

3AB - 1,000 pcs per box; 3ABP - 500 pcs per box

2. On Axial Tape & Reel:

1,000 pcs per reel

3. Tape & Reel specification:

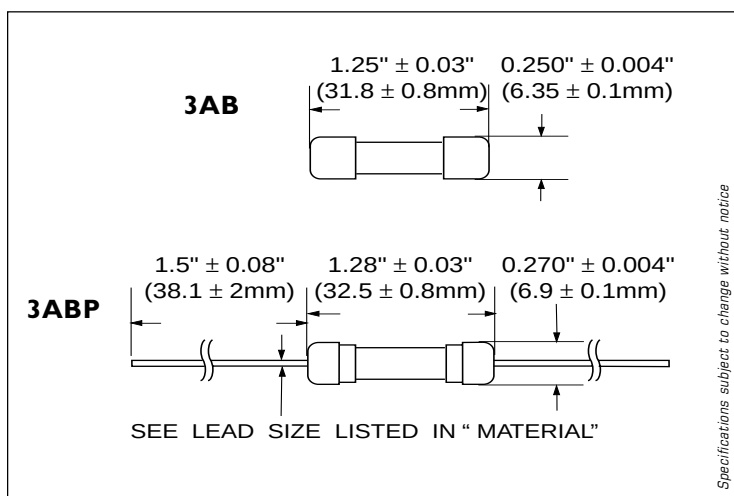
per EIA-296-E & IEC 286-1

@ 10mm Pitch and 73mm inside Tape Spacing

| Catalog Number | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @100% <i>I</i> <sub>n</sub> (Volt) max. | Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec) | Melting I <sup>2</sup> T @10 <i>I</i> <sub>n</sub> (A <sup>2</sup> Sec) | Maximum Power Dissipation (W) |
|----------------|---------------|-------------------------------|---------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------|
| 3AB (P) 100    | 100mA         | 12.5                          | 4.5                                               | 0.002                                                   | 0.002                                                                   | 0.59                          |
| 3AB (P) 125    | 125mA         | 12.0                          | 4.5                                               | 0.004                                                   | 0.003                                                                   | 0.74                          |
| 3AB (P) 160    | 160mA         | 8.3                           | 4.2                                               | 0.008                                                   | 0.005                                                                   | 0.87                          |
| 3AB (P) 200    | 200mA         | 5.7                           | 3.9                                               | 0.014                                                   | 0.010                                                                   | 1.02                          |
| 3AB (P) 250    | 250mA         | 3.9                           | 3.6                                               | 0.025                                                   | 0.017                                                                   | 1.19                          |
| 3AB (P) 300    | 300mA         | 2.7                           | 3.4                                               | 0.044                                                   | 0.032                                                                   | 1.40                          |
| 3AB (P) 375    | 375mA         | 2.0                           | 3.2                                               | 0.07                                                    | 0.05                                                                    | 1.58                          |
| 3AB (P) 500    | 500mA         | 1.28                          | 2.9                                               | 0.14                                                    | 0.10                                                                    | 1.92                          |
| 3AB (P) 750    | 750mA         | 0.24                          | 0.2                                               | 0.75                                                    | 0.74                                                                    | 0.30                          |
| 3AB (P) 1      | 1A            | 0.16                          | 0.23                                              | 1.43                                                    | 1.44                                                                    | 0.37                          |
| 3AB (P) 1.25   | 1.25A         | 0.114                         | 0.21                                              | 2.45                                                    | 2.51                                                                    | 0.44                          |
| 3AB (P) 1.6    | 1.6A          | 0.084                         | 0.20                                              | 4.2                                                     | 4.4                                                                     | 0.51                          |
| 3AB (P) 2      | 2A            | 0.063                         | 0.18                                              | 7.2                                                     | 7.6                                                                     | 0.59                          |
| 3AB (P) 2.5    | 2.5A          | 0.047                         | 0.170                                             | 12                                                      | 13                                                                      | 0.70                          |
| 3AB (P) 3      | 3A            | 0.035                         | 0.162                                             | 21                                                      | 23                                                                      | 0.83                          |
| 3AB (P) 3.5    | 3.5A          | 0.030                         | 0.157                                             | 28                                                      | 31                                                                      | 0.91                          |
| 3AB (P) 4      | 4A            | 0.026                         | 0.154                                             | 36                                                      | 40                                                                      | 1.0                           |
| 3AB (P) 5      | 5A            | 0.020                         | 0.146                                             | 63                                                      | 70                                                                      | 1.2                           |
| 3AB (P) 6      | 6A            | 0.015                         | 0.139                                             | 107                                                     | 123                                                                     | 1.4                           |
| 3AB (P) 7      | 7A            | 0.013                         | 0.135                                             | 141                                                     | 162                                                                     | 1.6                           |
| 3AB (P) 8      | 8A            | 0.012                         | 0.132                                             | 184                                                     | 214                                                                     | 1.7                           |
| 3AB (P) 10     | 10A           | 0.009                         | 0.125                                             | 316                                                     | 372                                                                     | 2.0                           |

Consult manufacturer for other ratings

### Mechanical Dimensions



ORDERING INFORMATION SEE PAGES 67 & 68

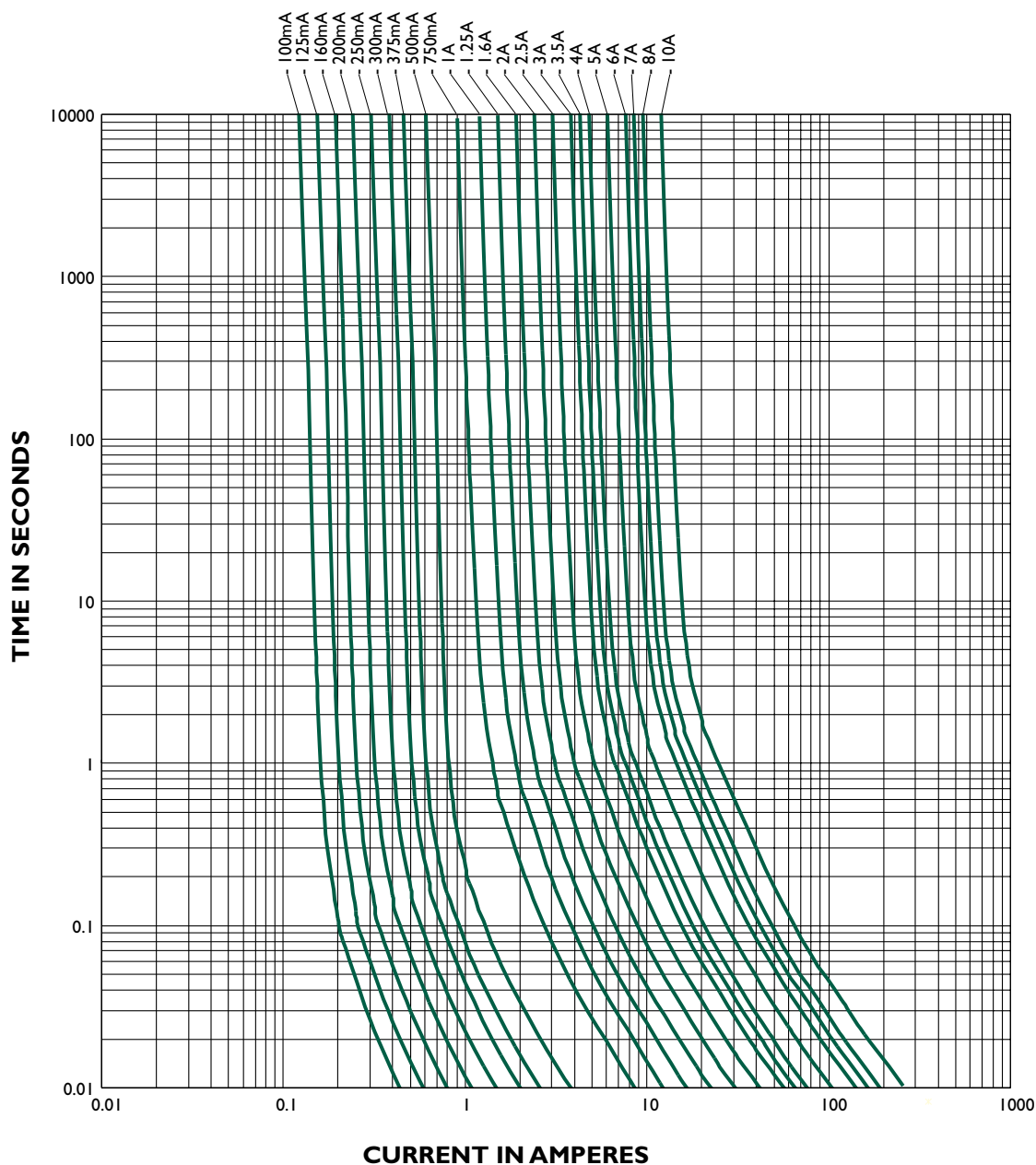
# Type 3AB / 3ABP

Fast Blow Fuse Series

1/4 x 1 1/4 inch Ceramic Tube

3ABC0801

## 3AB / 3ABP - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

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

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