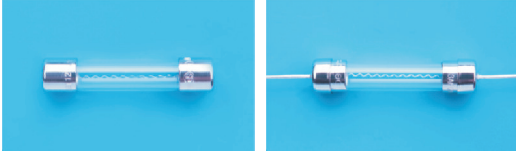


Type 3AG / 3AP  
Fast Blow Fuse Series1/4 x 1 1/4 inch Glass Tube  
RoHS 6 Compliant

## 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  |
|----------------------------------------------------|-----------|--------------------------------|
| UL Listed File No. E20624                          | 3AG / 3AP | 100mA - 10A / 250V AC@ 200A    |
| SP Certified File No. LR39772                      |           | 100mA - 15A / 125V AC@ 10,000A |
| File No. JET1037-31003-1001,<br>JET1037-31003-1003 | 3AG / 3AP | 1A - 5A / 125V AC@ 500A        |
| File No. JET1037-31003-1002                        | 3AG       | >5A - 15A / 125V AC@ 300A      |

## RoHS 6 Compliant Product

## Operating Temperature

-55°C to +125°C

## Physical Specification

## Materials

Glass body / Nickel Plated Brass Caps

Lead wire:

Matte Tin Plated Copper;

Diameter 0.032", 7A and less

Diameter 0.040", 8A and above

## Marking

On fuse:

"bel", "3AG", "Current Rating", "Voltage Rating",  
"Appropriate Safety Logos", "✓" (RoHS 6 compliant)

On label:

"bel", "3AG" or "3AP", "Current Rating", "Voltage Rating",  
"Interrupting Rating", "Appropriate Safety Logos"  
and "PS E", "e" (China RoHS compliant)

Voltage on fuse:

250V for 100mA to 10A; 125V for 12A and above

## Packaging

1. In bulk:

3AG - 1,000 pcs per box; 3AP - 500 pcs per box

2. On Axial Tape &amp; Reel:

1,000 pcs per reel

3. Tape &amp; Reel specification:

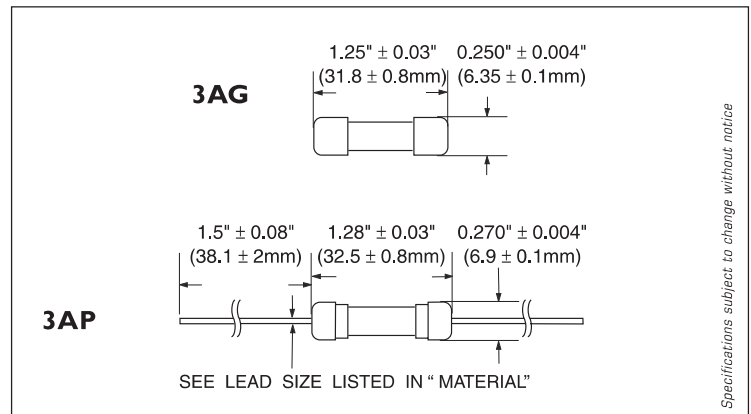
per EIA-296-E &amp; IEC 286-I

@ 10mm Pitch and 73mm inside Tape Spacing

| Catalog Number   | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @100% 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 <sub>n</sub> (A <sup>2</sup> Sec) | Maximum Power Dissipation (W) |
|------------------|---------------|-------------------------------|--------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------|-------------------------------|
| 3AG (3AP) 100-R  | 100mA         | 12.5                          | 4.5                                        | 0.002                                                   | 0.002                                                            | 0.59                          |
| 3AG (3AP) 125-R  | 125mA         | 12.0                          | 4.5                                        | 0.004                                                   | 0.003                                                            | 0.80                          |
| 3AG (3AP) 160-R  | 160mA         | 8.3                           | 4.2                                        | 0.008                                                   | 0.006                                                            | 0.94                          |
| 3AG (3AP) 200-R  | 200mA         | 4.6                           | 3.9                                        | 0.014                                                   | 0.010                                                            | 1.10                          |
| 3AG (3AP) 250-R  | 250mA         | 3.5                           | 3.6                                        | 0.025                                                   | 0.019                                                            | 1.29                          |
| 3AG (3AP) 300-R  | 300mA         | 2.7                           | 3.4                                        | 0.044                                                   | 0.034                                                            | 1.51                          |
| 3AG (3AP) 375-R  | 375mA         | 2.0                           | 3.2                                        | 0.071                                                   | 0.055                                                            | 1.64                          |
| 3AG (3AP) 400-R  | 400mA         | 1.6                           | 3.1                                        | 0.080                                                   | 0.080                                                            | 1.71                          |
| 3AG (3AP) 500-R  | 500mA         | 1.28                          | 2.9                                        | 0.14                                                    | 0.11                                                             | 1.88                          |
| 3AG (3AP) 750-R  | 750mA         | 0.68                          | 2.3                                        | 0.19                                                    | 0.17                                                             | 2.15                          |
| 3AG (3AP) 1-R    | 1A            | 0.16                          | 0.27                                       | 1.4                                                     | 1.4                                                              | 0.37                          |
| 3AG (3AP) 1.25-R | 1.25A         | 0.11                          | 0.24                                       | 2.4                                                     | 2.5                                                              | 0.44                          |
| 3AG (3AP) 1.6-R  | 1.6A          | 0.08                          | 0.22                                       | 4.2                                                     | 4.4                                                              | 0.51                          |
| 3AG (3AP) 2-R    | 2A            | 0.063                         | 0.20                                       | 7.2                                                     | 7.6                                                              | 0.59                          |
| 3AG (3AP) 2.5-R  | 2.5A          | 0.047                         | 0.18                                       | 12                                                      | 13                                                               | 0.70                          |
| 3AG (3AP) 3-R    | 3A            | 0.035                         | 0.170                                      | 21                                                      | 23                                                               | 0.83                          |
| 3AG (3AP) 3.5-R  | 3.5A          | 0.030                         | 0.157                                      | 28                                                      | 31                                                               | 0.91                          |
| 3AG (3AP) 4-R    | 4A            | 0.026                         | 0.154                                      | 36                                                      | 40                                                               | 1.0                           |
| 3AG (3AP) 5-R    | 5A            | 0.020                         | 0.146                                      | 63                                                      | 70                                                               | 1.2                           |
| 3AG (3AP) 6-R    | 6A            | 0.015                         | 0.139                                      | 107                                                     | 123                                                              | 1.4                           |
| 3AG (3AP) 7-R    | 7A            | 0.013                         | 0.135                                      | 141                                                     | 162                                                              | 1.6                           |
| 3AG (3AP) 8-R    | 8A            | 0.011                         | 0.132                                      | 184                                                     | 214                                                              | 1.7                           |
| 3AG (3AP) 10-R   | 10A           | 0.009                         | 0.125                                      | 316                                                     | 372                                                              | 2.0                           |
| 3AG (3AP) 12-R   | 12A           | 0.007                         | 0.120                                      | 501                                                     | 597                                                              | 2.4                           |
| 3AG (3AP) 15-R   | 15A           | 0.006                         | 0.114                                      | 845                                                     | 1023                                                             | 2.8                           |

Consult manufacturer for other ratings

## Mechanical Dimensions



ORDERING INFORMATION SEE LAST 2 PAGES

# Type 3AG / 3AP

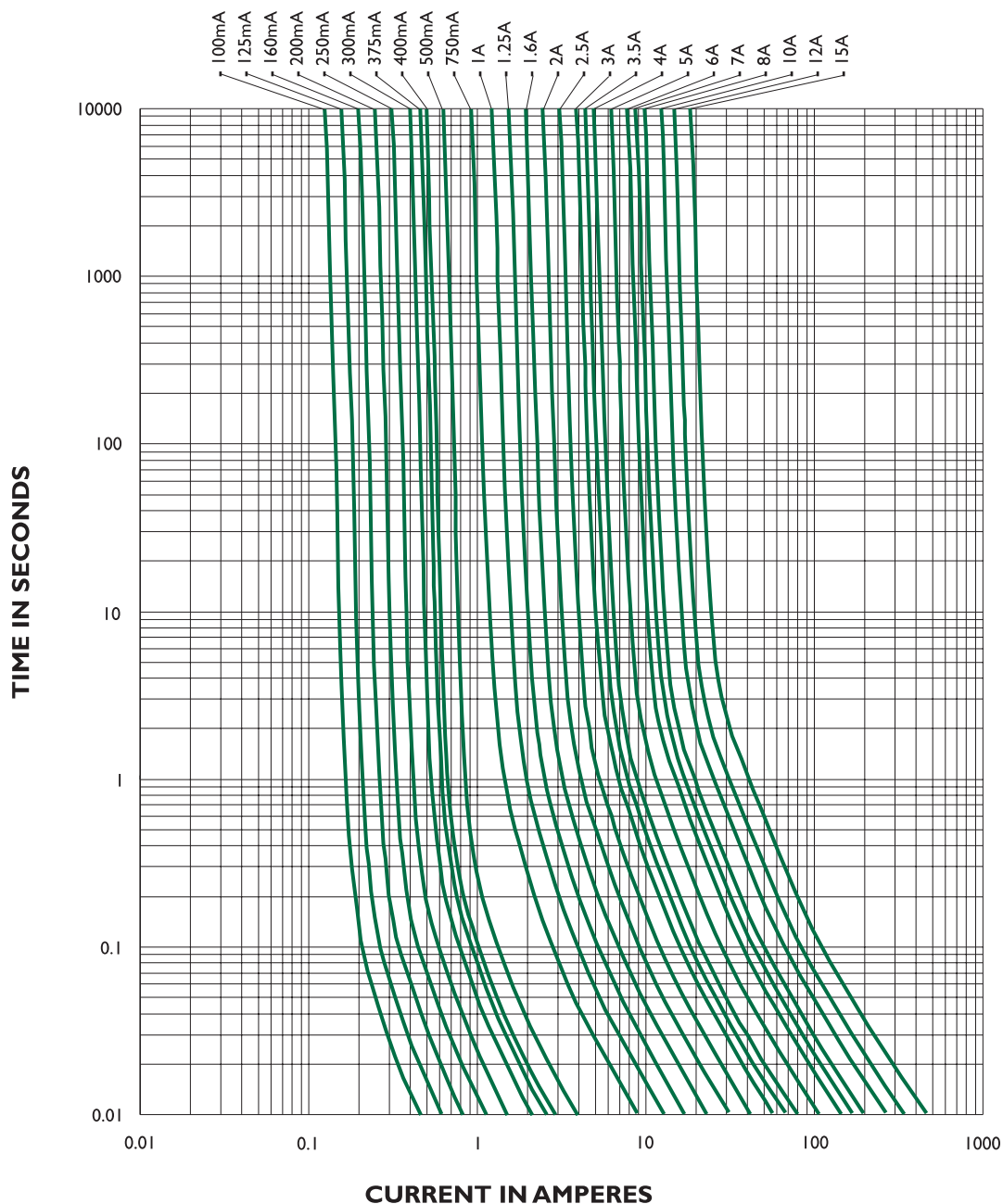
## Fast Blow Fuse Series

1/4 x 1 1/4 inch Glass Tube  
RoHS 6 Compliant

# bel

3AGC0808

### 3AG / 3AP - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

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

#### Corporate Office

##### Bel Fuse Inc.

206 Van Vorst Street, Jersey City, NJ 07302  
Tel: 201-432-0463  
Fax: 201-432-9542  
E-Mail: [belfuse@belfuse.com](mailto:belfuse@belfuse.com)  
Website: [www.belfuse.com](http://www.belfuse.com)

#### Far East Office

##### Bel Fuse Ltd.

8F/8 Luk Hop Street  
San Po Kong  
Kowloon, Hong Kong  
Tel: 852-2328-5515  
Fax: 852-2352-3706

#### European Office

##### Bel Fuse Europe Ltd.

Preston Technology Management Centre  
Marsh Lane, Preston PR1 8UQ  
Lancashire, U.K.  
Tel: 44-1772-556601  
Fax: 44-1772-888366