

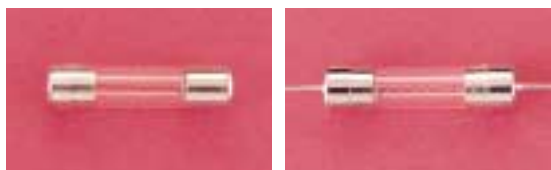


defining a degree of excellence

## Type 8AG / 8AP Fast Blow Fuse Series

1/4 x 1 inch Glass Tube

8AGD0202



### 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                                      | 8AG / 8AP        | 80mA - 2A / 250V AC@ 100A<br>80mA - 7A / 125V AC@ 10000A                           |
| Certified File No. LR39772                                  | 8AG / 8AP        | 80mA - 1A / 250V AC@ 35A<br>1A - 2A / 250V AC@ 100A<br>80mA - 5A / 125V AC@ 10000A |
| Approval File No. 32-1764 / No. 32-1766<br>File No. 32-1765 | 8AG / 8AP<br>8AG | 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" thru' 7A

#### Marking

On fuse:

"bel", "8AG", "Current Rating", "Voltage Rating", and "Appropriate Safety Logos"

On label:

Above info plus "CC" and interrupting rating

Voltage on fuse:

250V for 80mA to 2A; 125V for 2A and above

#### Packaging

1. In bulk:

**8AG** - 1,000 pcs per box; **8AP** - 500 pcs per box

2. On Axial Tape & Reel:

1,000 pcs per reel

3. Tape & Reel specification:

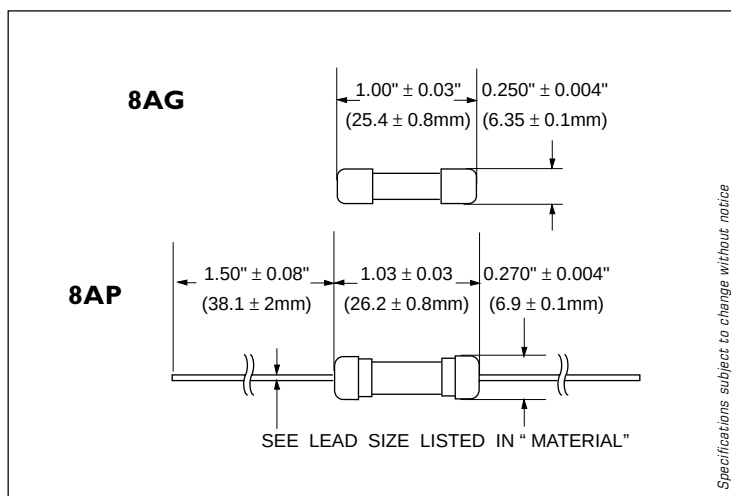
per EIA-296-E & IEC 286-I

@ 10mm Pitch and 73mm inside Tape Spacing

| Catalog Number | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @100% $I_n$ (Volt) max. | Melting $I^2T$ < 10 mSec (A <sup>2</sup> Sec) | Melting $I^2T$ @10' $I_n$ (A <sup>2</sup> Sec) | Maximum Power Dissipation (W) |
|----------------|---------------|-------------------------------|-----------------------------------|-----------------------------------------------|------------------------------------------------|-------------------------------|
| 8AG (P) 80     | 80mA          | 13.6                          | 3.71                              | 0.0013                                        | 0.001                                          | 0.43                          |
| 8AG (P) 100    | 100mA         | 10.3                          | 3.28                              | 0.002                                         | 0.002                                          | 0.48                          |
| 8AG (P) 125    | 125mA         | 7.0                           | 3.67                              | 0.004                                         | 0.003                                          | 0.68                          |
| 8AG (P) 150    | 150mA         | 5.3                           | 3.24                              | 0.007                                         | 0.006                                          | 0.72                          |
| 8AG (P) 200    | 200mA         | 4.0                           | 2.86                              | 0.013                                         | 0.011                                          | 0.84                          |
| 8AG (P) 250    | 250mA         | 3.1                           | 2.53                              | 0.023                                         | 0.019                                          | 0.93                          |
| 8AG (P) 350    | 350mA         | 2.0                           | 2.10                              | 0.054                                         | 0.046                                          | 1.10                          |
| 8AG (P) 500    | 500mA         | 0.34                          | 0.217                             | 0.23                                          | 0.22                                           | 0.16                          |
| 8AG (P) 750    | 750mA         | 0.19                          | 0.207                             | 0.69                                          | 0.68                                           | 0.23                          |
| 8AG (P) 1      | 1A            | 0.14                          | 0.202                             | 1.20                                          | 1.21                                           | 0.30                          |
| 8AG (P) 1.25   | 1.25A         | 0.10                          | 0.197                             | 2.09                                          | 2.13                                           | 0.37                          |
| 8AG (P) 1.5    | 1.5A          | 0.08                          | 0.193                             | 3.6                                           | 3.8                                            | 0.44                          |
| 8AG (P) 2      | 2A            | 0.06                          | 0.188                             | 6.4                                           | 6.7                                            | 0.55                          |
| 8AG (P) 2.5    | 2.5A          | 0.04                          | 0.184                             | 11.1                                          | 11.8                                           | 0.68                          |
| 8AG (P) 3      | 3A            | 0.03                          | 0.179                             | 19.3                                          | 20.9                                           | 0.81                          |
| 8AG (P) 3.5    | 3.5A          | 0.027                         | 0.177                             | 25.5                                          | 27.8                                           | 0.92                          |
| 8AG (P) 4      | 4A            | 0.023                         | 0.175                             | 34                                            | 37                                             | 1.03                          |
| 8AG (P) 5      | 5A            | 0.017                         | 0.171                             | 59                                            | 65                                             | 1.26                          |
| 8AG (P) 6      | 6A            | 0.013                         | 0.167                             | 102                                           | 116                                            | 1.49                          |
| 8AG (P) 7      | 7A            | 0.011                         | 0.165                             | 135                                           | 154                                            | 1.71                          |

Consult manufacturer for other ratings

### Mechanical Dimensions



ORDERING INFORMATION SEE PAGES 67 & 68

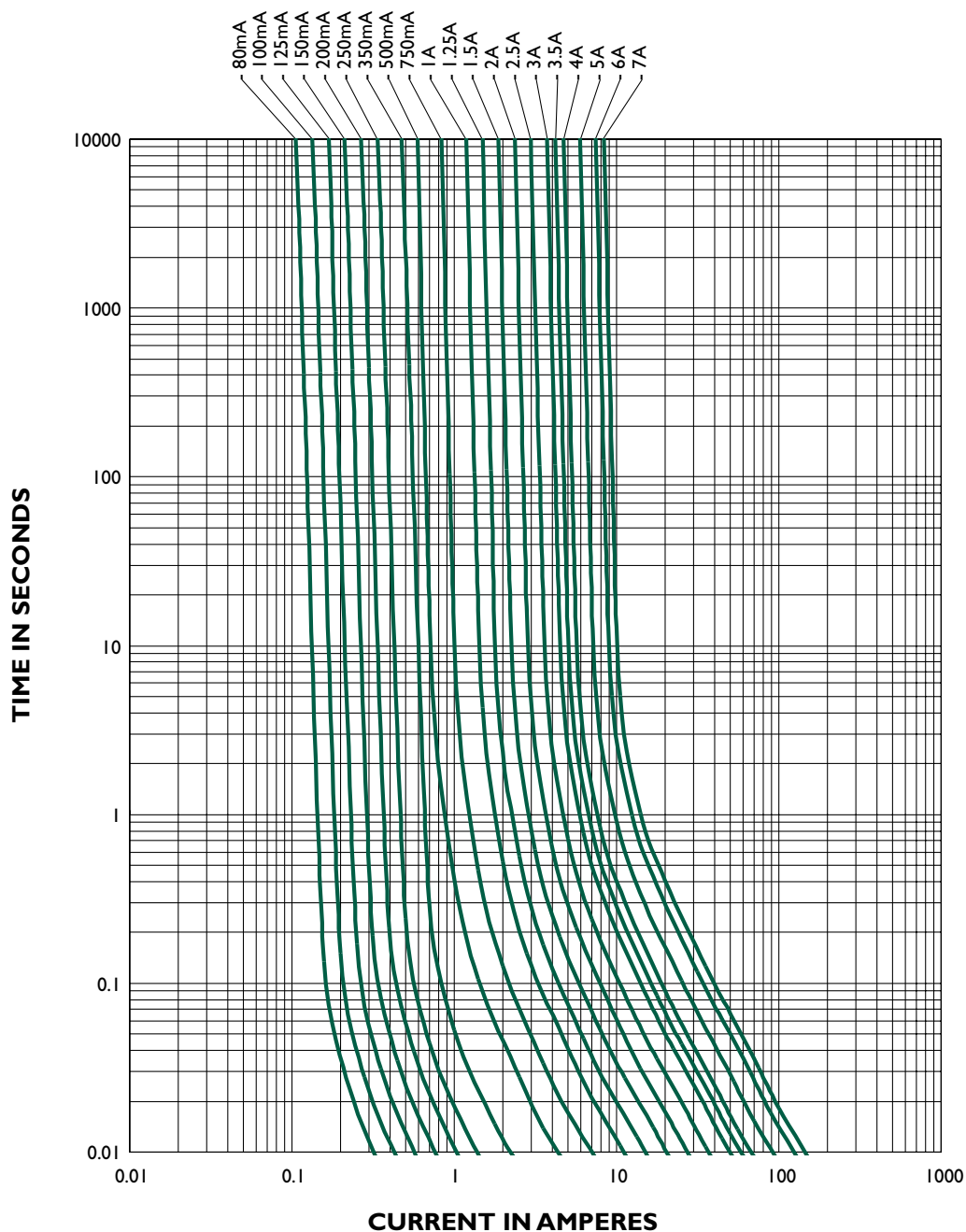
# Type 8AG / 8AP

Fast Blow Fuse Series

1/4 x 1 inch Glass Tube

8AGC0801

## 8AG / 8AP - TIME CURRENT CHARACTERISTIC CURVE



Specifications subject to change without notice

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

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