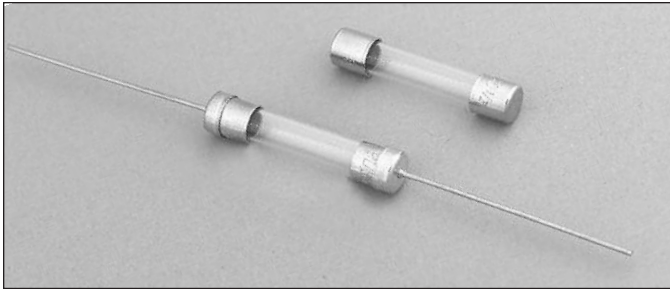


## Fast-Acting ¼" x 1 ¼" Glass Tube Fuses AGC Series

RoHS



### Description

- Fast-acting
- Optional axial leads available
- ¼" x 1 ¼" (6.3 x 32mm) physical size
- Glass tube, nickel-plated brass endcap construction
- UL Listed product meets standard 248-14

### Agency Information

- UL Listed Card: AGC ½-10
- UL Recognition Card: AGC 11-40
- CSA Component Acceptance Card (Class No. 1422 30)
- CSA Certification Card (Class No. 1422 01)

### Environmental Data

- Shock: ½ - ¾A – MIL-STD-202, Method 213, Test Condition I; 1 - 30A – MIL-STD-202, Method 207, (HI Shock)
- Vibration: ½ - 30A – MIL-STD-202, Method 204, Test Condition A (Except 5g, 500Hz)

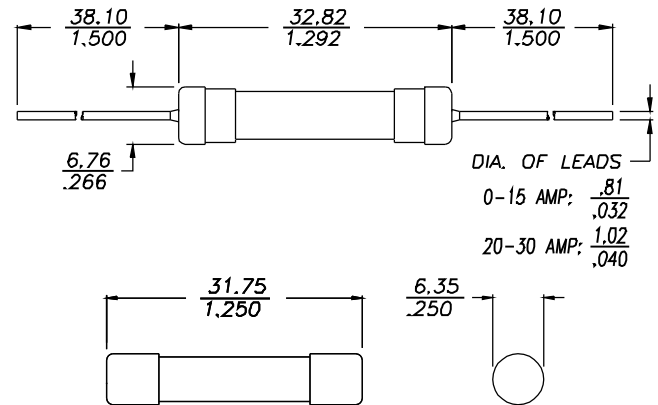
### Ordering

- Specify packaging code prefix, part number and option code suffix (if applicable)

### Specifications

- See page 2

### Dimensions - in



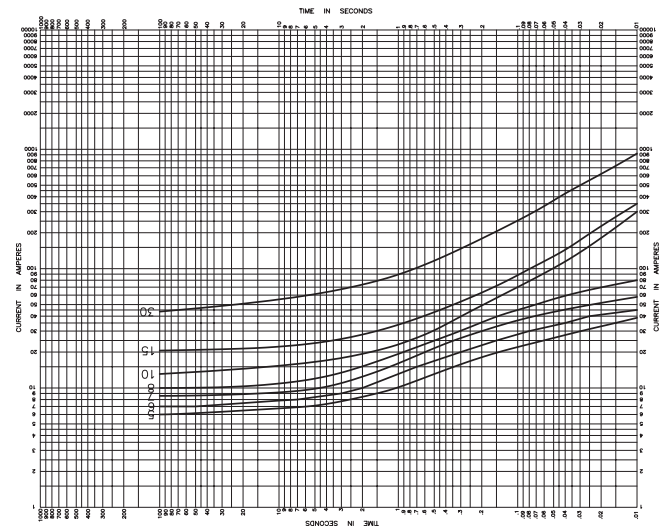
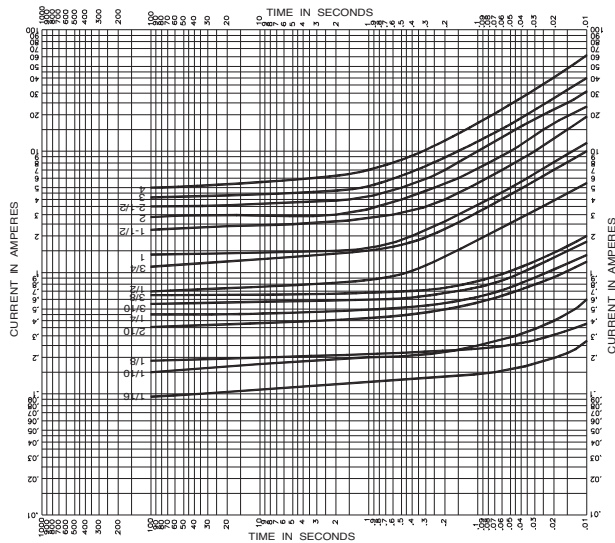
|             |                   | SPECIFICATIONS                |        |      |                                 |                                     |                       |
|-------------|-------------------|-------------------------------|--------|------|---------------------------------|-------------------------------------|-----------------------|
| Part Number | AC Voltage Rating | AC Interrupting Rating (amps) |        |      | Typical DC Cold Resistance* (Ω) | Typical Melting I <sup>2</sup> t AC | Typical Voltage Drop‡ |
|             |                   | 250                           | 125    | 32   |                                 |                                     |                       |
| AGC-1/20-R  | 250               | 35                            | 10,000 | —    | 4.500                           | 0.00773                             | 0.67                  |
| AGC-1/10-R  | 250               | 35                            | 10,000 | —    | 12.565                          | 0.000787                            | 6.00                  |
| AGC-1/8-R   | 250               | 35                            | 10,000 | —    | 6.800                           | 0.00131                             | 4.67                  |
| AGC-3/16-R  | 250               | 35                            | 10,000 | —    | 4.900                           | 0.00637                             | 4.12                  |
| AGC-3/10-R  | 250               | 35                            | 10,000 | —    | 3.360                           | 0.00435                             | 4.51                  |
| AGC-1/4-R   | 250               | 35                            | 10,000 | —    | 2.300                           | 0.0148                              | 0.89                  |
| AGC-3/10-R  | 250               | 35                            | 10,000 | —    | 1.670                           | 0.0208                              | 2.88                  |
| AGC-3/8-R   | 250               | 35                            | 10,000 | —    | 1.203                           | 0.0321                              | 4.59                  |
| AGC-1/2-R   | 250               | 35                            | 10,000 | —    | 0.615                           | 0.269                               | 0.59                  |
| AGC-3/4-R   | 250               | 35                            | 10,000 | —    | 0.312                           | 0.815                               | 0.37                  |
| AGC-1-R     | 250               | 35                            | 10,000 | —    | 0.190                           | 1.615                               | 0.31                  |
| AGC-1-1/4-R | 250               | 100                           | 10,000 | —    | 0.145                           | 0.018                               | 0.35                  |
| AGC-1-1/2-R | 250               | 100                           | 10,000 | —    | 0.115                           | 0.0149                              | 0.27                  |
| AGC-2-R     | 250               | 100                           | 10,000 | —    | 0.078                           | 0.00509                             | 0.28                  |
| AGC-2-1/4-R | 250               | 100                           | 10,000 | —    | 0.067                           | 0.00588                             | 0.26                  |
| AGC-2-1/2-R | 250               | 100                           | 10,000 | —    | 0.057                           | 0.00879                             | 0.31                  |
| AGC-3-R     | 250               | 100                           | 10,000 | —    | 0.045                           | 0.0167                              | 0.25                  |
| AGC-4-R     | 250               | 200                           | 10,000 | —    | 0.030                           | 0.0305                              | 0.22                  |
| AGC-5-R     | 250               | 200                           | 10,000 | —    | 0.024                           | 0.045                               | 0.23                  |
| AGC-6-R     | 250               | 200                           | 10,000 | —    | 0.020                           | 0.071                               | 0.23                  |
| AGC-7-R     | 250               | 200                           | 10,000 | —    | 0.017                           | 0.105                               | 0.23                  |
| AGC-7-1/2-R | 250               | 200                           | 10,000 | —    | 0.0146                          | —                                   | —                     |
| AGC-8-R     | 250               | 200                           | 10,000 | —    | 0.014                           | 0.152                               | 0.19                  |
| AGC-9-R     | 250               | 200                           | 10,000 | —    | 0.012                           | 0.21                                | 0.18                  |
| AGC-10-R    | 250               | 200                           | 10,000 | —    | 0.008                           | 0.492                               | 0.20                  |
| AGC-12-R    | 32                | —                             | —      | 1000 | 0.0070                          | —                                   | —                     |
| AGC-14-R    | 32                | —                             | —      | 1000 | 0.0062                          | —                                   | —                     |
| AGC-15-R    | 32                | —                             | —      | 1000 | 0.006                           | 0.566                               | 0.14                  |
| AGC-20-R    | 32                | —                             | —      | 1000 | 0.004                           | 1.438                               | 0.12                  |
| AGC-25-R    | 32                | —                             | —      | 1000 | 0.003                           | 2.109                               | 0.11                  |
| AGC-30-R    | 32                | —                             | —      | 1000 | 0.002                           | 3.807                               | 0.12                  |
| AGC-35-R    | 32                | —                             | —      | 70   | 0.0014                          | —                                   | —                     |
| AGC-40-R    | 32                | —                             | —      | 80   | 0.0019                          | —                                   | —                     |

\* DC Cold Resistance (Measured at ≤10% of rated current)

† Typical Melting I<sup>2</sup>t (A<sup>2</sup>Sec) (I<sup>2</sup>t was measured at listed interrupting rating and rated voltage.)

‡ Typical Voltage Drop (Voltage drop was measured at 25°C ambient temperature at rated current)

## Time-Current Curves



### Packaging Code Prefix

| Code | Description                                                           |
|------|-----------------------------------------------------------------------|
| BK   | 100 pieces of fuses packed into a cardboard carton with flaps folded  |
| BK1  | 1000 pieces of fuses packed into a cardboard carton with flaps folded |

### Option Code Suffix

| Code | Description                                                        |
|------|--------------------------------------------------------------------|
| B    | Board Washable - Hermetically sealed to withstand aqueous cleaning |
| V    | Axial leads - copper tinned wire with nickel-plated brass overcaps |
| -R   | RoHS Compliant                                                     |

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