COOPER Bussmann

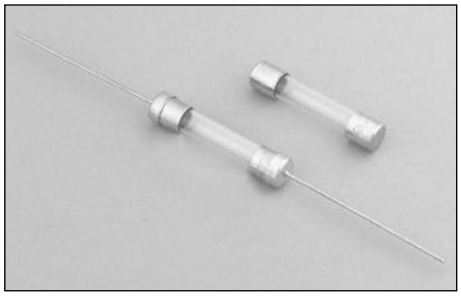
# 1/4" x 1-1/4" Fuses

## AGC Series, Fast Acting, Glass Tube

### Description

- Fast-acting, glass tube
- Optional axial leads available
- 1/4 x 1-1/4 (6.3mm x 32mm) physical size
- Glass tube, nickel-plated brass endcap construction
- UL Listed product meets standard 248-14

RoHS 2002/95/EC



| ELECTRICAL CHARACTERISTICS | |
|---|---|
| **% of Amp Rating** | **Opening Time** |
| 100% | None |
| 135% | 60 Minutes Maximum |
| 200% | 120 Seconds Maximum |

### Agency Information

- UL Listed Card: AGC 1/500-10
- UL Recognition Card: AGC 11-45
- CSA Component Acceptance Card (Class No. 1422 30)
- CSA Certification Card (Class No. 1422 01)

### Environmental Data

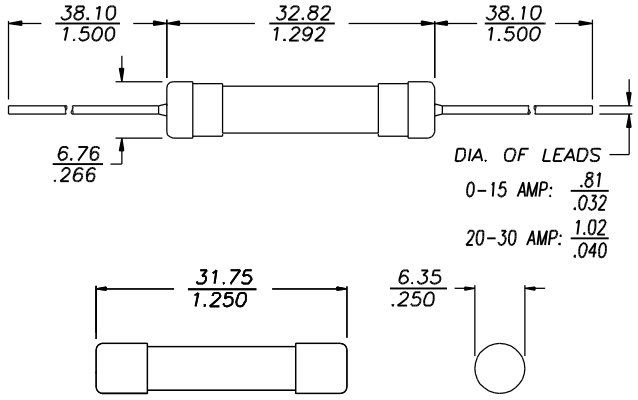
- Shock: 1/100A thru 3/4A – MIL-STD-202, Method 213, Test Condition I; 1A thru 30A – MIL-STD-202, Method 207, (HI Shock)
- Vibration: 1/100A thru 30A – MIL-STD-202, Method 204, Test Condition A (Except 5g, 500HZ)

### Ordering

- Specify packaging, product, and option code

### Dimensions (mm/in)

Drawing Not to Scale




## SPECIFICATIONS

| Product Code | Voltage Rating AC | AC Interrupting Rating 250V | 125V | 32V | Typical DC Cold Resistance** (ohms) | Typical Melting I²t† AC | Typical Voltage Drop‡ |
|---|---|---|---|---|---|---|---|
| **AGC-1/20** | 250V | 35A | 10000A | - | 4.500 | 0.00773 | 0.67 |
| **AGC-1/16** | 250V | 35A | 10000A | - | 29.000 | 0.000181 | 10.41 |
| **AGC-1/10** | 250V | 35A | 10000A | - | 12.565 | 0.000787 | 6.00 |
| **AGC-1/8** | 250V | 35A | 10000A | - | 6.800 | 0.00131 | 4.67 |
| **AGC-3/16** | 250V | 35A | 10000A | - | 4.900 | 0.00637 | 4.12 |
| **AGC-2/10** | 250V | 35A | 10000A | - | 3.360 | 0.00435 | 4.51 |
| **AGC-1/4** | 250V | 35A | 10000A | - | 2.300 | 0.0148 | 0.89 |
| **AGC-3/10** | 250V | 35A | 10000A | - | 1.670 | 0.0208 | 2.88 |
| **AGC-3/8** | 250V | 35A | 10000A | - | 1.203 | 0.0321 | 4.59 |
| **AGC-1/2** | 250V | 35A | 10000A | - | 0.615 | 0.269 | 0.59 |
| **AGC-3/4** | 250V | 35A | 10000A | - | 0.312 | 0.815 | 0.37 |
| **AGC-1** | 250V | 35A | 10000A | - | 0.190 | 1.615 | 0.31 |
| **AGC-1-1/4** | 250V | 100A | 10000A | - | 0.145 | 0.018 | 0.35 |
| **AGC-1-1/2** | 250V | 100A | 10000A | - | 0.115 | 0.0149 | 0.27 |
| **AGC-2** | 250V | 100A | 10000A | - | 0.078 | 0.00509 | 0.28 |
| **AGC-2-1/4** | 250V | 100A | 10000A | - | 0.067 | 0.00588 | 0.26 |
| **AGC-2-1/2** | 250V | 100A | 10000A | - | 0.057 | 0.00879 | 0.31 |
| **AGC-3** | 250V | 100A | 10000A | - | 0.045 | 0.0167 | 0.25 |
| **AGC-4** | 250V | 200A | 10000A | - | 0.030 | 0.0305 | 0.22 |
| **AGC-5** | 250V | 200A | 10000A | - | 0.024 | 0.045 | 0.23 |
| **AGC-6** | 250V | 200A | 10000A | - | 0.020 | 0.071 | 0.23 |
| **AGC-7** | 250V | 200A | 10000A | - | 0.017 | 0.105 | 0.23 |
| **AGC-7-1/2** | 250V | 200A | 10000A | - | 0.0146 | - | - |
| **AGC-8** | 250V | 200A | 10000A | - | 0.014 | 0.152 | 0.19 |
| **AGC-9** | 250V | 200A | 10000A | - | 0.012 | 0.21 | 0.18 |
| **AGC-10** | 250V | 200A | 10000A | - | 0.008 | 0.492 | 0.20 |
| **AGC-12** | 32V | - | - | 1000A | 0.0070 | - | - |
| **AGC-14** | 32V | - | - | 1000A | 0.0062 | - | - |
| **AGC-15** | 32V | - | - | 1000A | 0.006 | 0.566 | 0.14 |
| **AGC-20** | 32V | - | - | 1000A | 0.004 | 1.438 | 0.12 |
| **AGC-25** | 32V | - | - | 1000A | 0.003 | 2.109 | 0.11 |
| **AGC-30** | 32V | - | - | 1000A | 0.002 | 3.807 | 0.12 |
| **AGC-35** | 32V | - | - | 70A | 0.0014 | - | - |
| **AGC-40** | 32V | - | - | 80A | 0.0019 | - | - |

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

† Typical Melting I²t (A²Sec) (I²t was measured at listed interrupting rating and rated voltage.)

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

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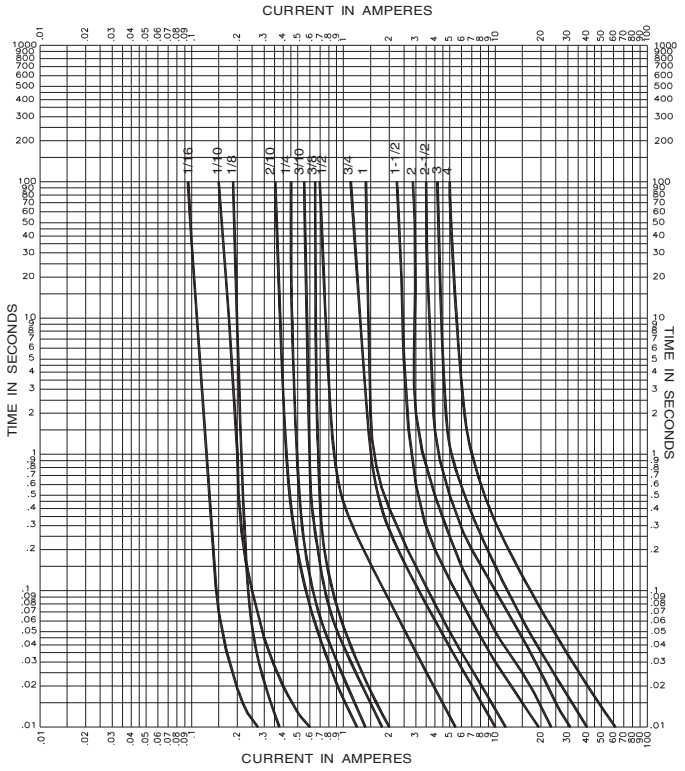
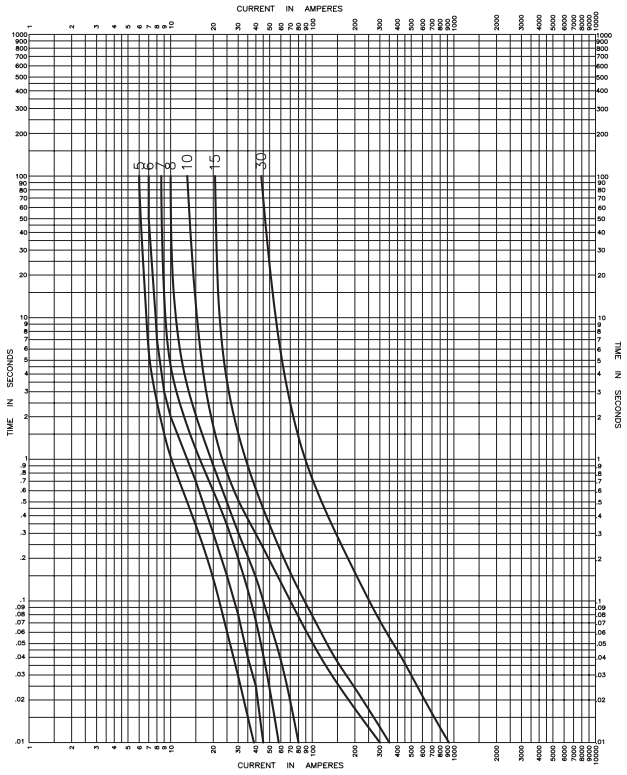
### TIME CURRENT CURVE




| PACKAGING CODE | |
|---|---|
| **Packaging Code** | **Description** |
| **BK** | 100 pieces of fuses packed into a cardboard carton with flaps folded |
| **BK1** | 1,000 pieces of fuses packed into a cardboard carton with flaps folded |
| **BK8** | 8,000 pieces of fuses packed into a cardboard carton with flaps folded |

| OPTION CODE | |
|---|---|
| **Option 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 version |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