

AGC

1/4" x 1 1/4" Fast-acting glass tube fuses



Agency information

- UL Listed Card: AGC 1/20-10
- UL Recognition Card: AGC 11-40
- CSA Component Acceptance Card (Class No. 1422 30)
- CSA Certification Card (Class No. 1422 01)

Environmental data

- Shock: 1/20 - 3/4A – MIL-STD-202, Method 213, Test Condition I; 1 - 30A –MIL-STD-202, Method 207, (HI Shock)
- Vibration: 1/20 - 30A – MIL-STD-202, Method 204, Test Condition A (Except 5g, 500Hz)

Product features

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

Ordering

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

| Part Number | AC Voltage Rating | SPECIFICATIONS | | | | | |
|----------------|-------------------|-------------------------------|--------|------|---------------------------------|-------------------------------------|-----------------------------------|
| | | AC Interrupting Rating (amps) | | | Typical DC Cold Resistance* (Ω) | Typical Melting I ² t AC | Typical Voltage Drop [‡] |
| | | 250 | 125 | 32 | | | |
| AGC- 1/20-R | 250 | 35 | 10,000 | — | 4.500 | 0.00773 | 0.67 |
| AGC- 1/40-R | 250 | 35 | 10,000 | — | 12.565 | 0.000787 | 6.00 |
| AGC- 1/80-R | 250 | 35 | 10,000 | — | 6.800 | 0.00131 | 4.67 |
| AGC- 1/160-R | 250 | 35 | 10,000 | — | 4.900 | 0.00637 | 4.12 |
| AGC- 1/320-R | 250 | 35 | 10,000 | — | 3.360 | 0.00435 | 4.51 |
| AGC- 1/640-R | 250 | 35 | 10,000 | — | 2.300 | 0.0148 | 0.89 |
| AGC- 1/1280-R | 250 | 35 | 10,000 | — | 1.670 | 0.0208 | 2.88 |
| AGC- 1/2560-R | 250 | 35 | 10,000 | — | 1.203 | 0.0321 | 4.59 |
| AGC- 1/5120-R | 250 | 35 | 10,000 | — | 0.615 | 0.269 | 0.59 |
| AGC- 1/10240-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- 1/2-R | 250 | 100 | 10,000 | — | 0.145 | 0.018 | 0.35 |
| AGC-1- 1/4-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- 1/2-R | 250 | 100 | 10,000 | — | 0.067 | 0.00588 | 0.26 |
| AGC-2- 1/4-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 | — | — | 1000 | 0.0014 | — | — |
| AGC-40-R | 32 | — | — | 1000 | 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)

Time-Current Curves



Dimensions - mm/in



| 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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