

# 5 x 15mm Time-Delay Glass Tube Fuses

## C519 Series

### Description

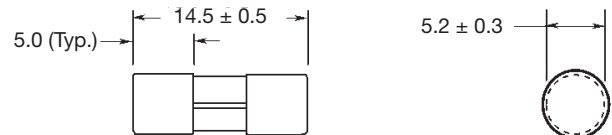
- Time-delay
- 5 x 15mm physical size
- Nickel-plated brass endcap construction
- UL Listed product meets standard UL 248-14



| Electrical Characteristics |            |                                    |
|----------------------------|------------|------------------------------------|
| Rated Current              | Amp Rating | Opening Time                       |
| 125mA - 250mA              | 135%       | 60 minutes max.                    |
|                            | 200%       | 3 seconds min.<br>120 seconds max. |
| 350mA                      | 100%       | 4 hours min.                       |
|                            | 470mA      | 30 minutes max.                    |
|                            | 600mA      | 90 seconds max.                    |
|                            | 2A         | 2 seconds max.                     |
| 375mA - 5A                 | 6A         | 500 milliseconds max.              |
|                            | 135%       | 60 minutes max.                    |
|                            | 200%       | 3 seconds min.<br>120 seconds max. |

### Dimensions - mm

Drawing Not to Scale



### Agency Information

- UL Listed Card: C519 125mA-250mA and 375mA-3A (Guide JDYX, File E19180)
- UL Recognized Card: C519 350mA, and 3.5A-7A (Guide JDYX2, File E19180)
- CSA Certification Card: C519 125mA-250mA and 375mA-3A (Class 1422-01, File 53787)

### Ordering

Specify product code

- Insert packaging code prefix before part number. E.g. BK(BK1)/C519-2-R

### Specifications

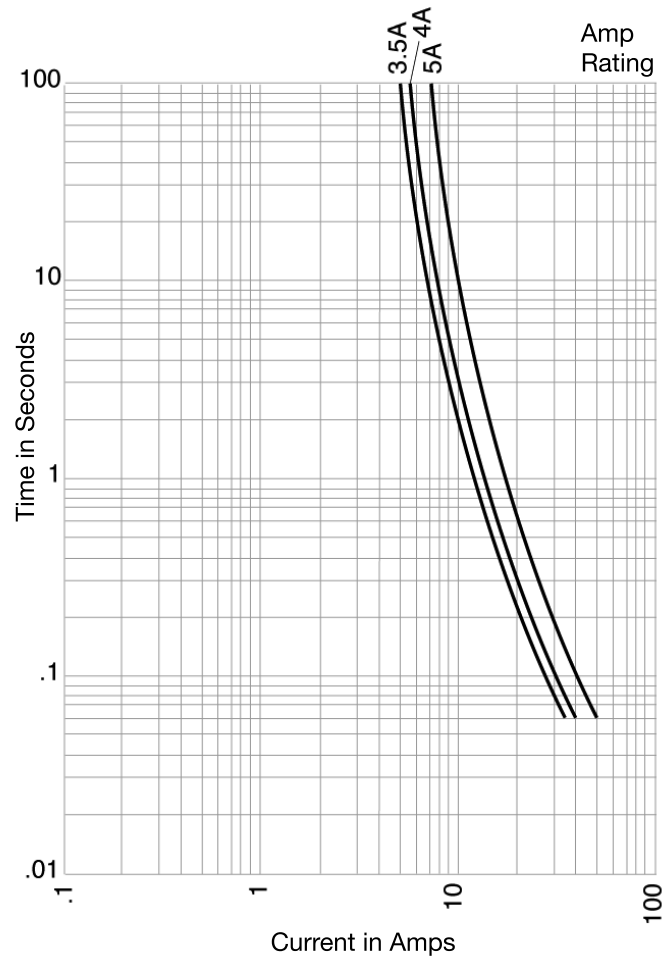
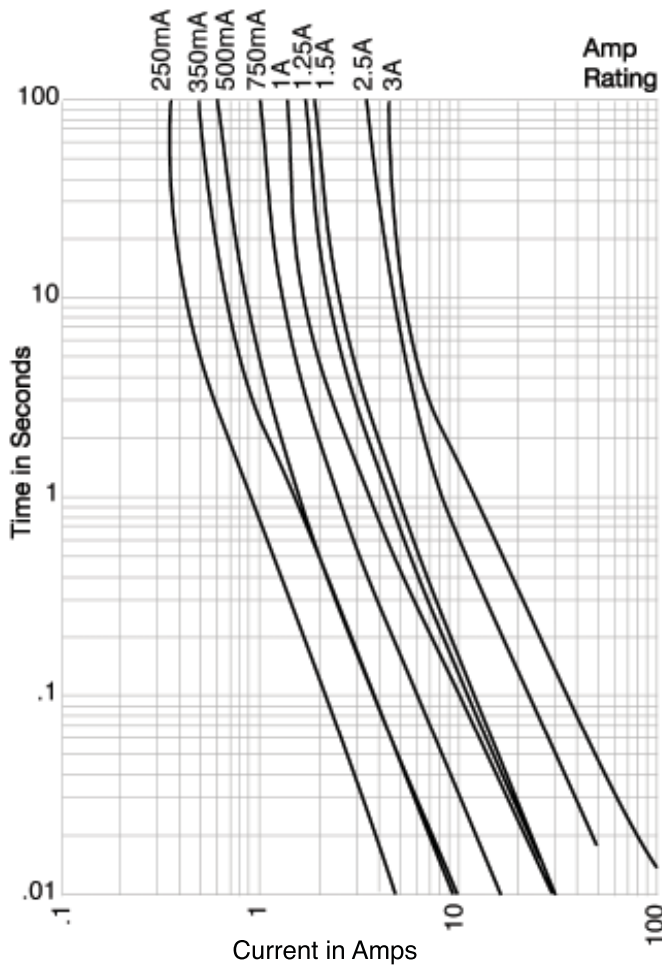
| Part Number | Voltage Rating Vac | Interrupting Rating at Rated Voltage (amps) |        |        | Typical DC Cold Resistance* (Ω) | Typical Melting I <sup>2</sup> t** DC | Max. Voltage Drop (mV)*** |
|-------------|--------------------|---|--------|--------|---------------------------------|---------------------------------------|---------------------------|
|             |                    | 600Vac                                      | 250Vac | 125Vac |                                 |                                       |                           |
| C519-125-R  | 250                | -   | 35     | 10,000 | 4.72                            | 0.101                                 | 770                       |
| C519-250-R  | 250                | -   | 35     | 10,000 | 1.32                            | 0.467                                 | 430                       |
| C519-350-R  | 250                | 25  | 35     | 10,000 | 1.04                            | 1.169                                 | 530                       |
| C519-375-R  | 250                | -   | 35     | 10,000 | 0.81                            | 1.531                                 | 470                       |
| C519-500-R  | 250                | -   | 35     | 10,000 | 0.54                            | 2.280                                 | 440                       |
| C519-600-R  | 250                | -   | 35     | 10,000 | 0.38                            | 6.982                                 | 350                       |
| C519-750-R  | 250                | -   | 35     | 10,000 | 0.26                            | 9.162                                 | 310                       |
| C519-1-R    | 250                | -   | 35     | 10,000 | 0.14                            | 14.289                                | 230                       |
| C519-1.25-R | 250                | -   | 100    | 10,000 | 0.13                            | 22.961                                | 220                       |
| C519-1.5-R  | 250                | -   | 100    | 10,000 | 0.10                            | 31.989                                | 240                       |
| C519-1.6-R  | 250                | -   | 100    | 10,000 | 0.09                            | 31.156                                | 200                       |
| C519-2-R    | 250                | -   | 100    | 10,000 | 0.059                           | 60.256                                | 170                       |
| C519-2.25-R | 250                | -   | 100    | 10,000 | 0.057                           | 97.724                                | 180                       |
| C519-2.5-R  | 250                | -   | 100    | 10,000 | 0.046                           | 78.163                                | 190                       |
| C519-3-R    | 250                | -   | 100    | 10,000 | 0.035                           | 80.426                                | 150                       |
| C519-3.5-R  | 125                | -   | -      | 400    | 0.028                           | 149.279                               | 130                       |
| C519-4-R    | 125                | -   | -      | 400    | 0.023                           | 233.346                               | 130                       |
| C519-5-R    | 125                | -   | -      | 400    | 0.019                           | 354.813                               | 150                       |

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

\*\* Typical Melting I<sup>2</sup>t (A<sup>2</sup>Sec) (Typical I<sup>2</sup>t at 10 times rated current)

\*\*\* Typical Voltage Drop (Voltage drop was measured at 25°C±3°C ambient temperature at rated current)

## Time-Current Curve



| Packaging Code        |  |
|-----------------------|--|
| Packaging Code Prefix | Description                                |
| BK                    | 100 fuses packed into a cardboard carton   |
| BK1                   | 1,000 fuses packed into a cardboard carton |

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