



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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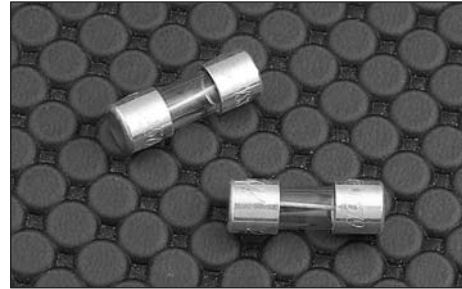


# 5 x 15mm Time-Delay Glass Tube Fuses

## C519 Series

### Description

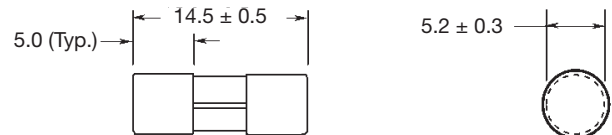
- Time-delay
- 5 x 15mm physical size
- Nickel-plated brass endcap construction
- UL Listed product meets standard UL 248-14



| 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

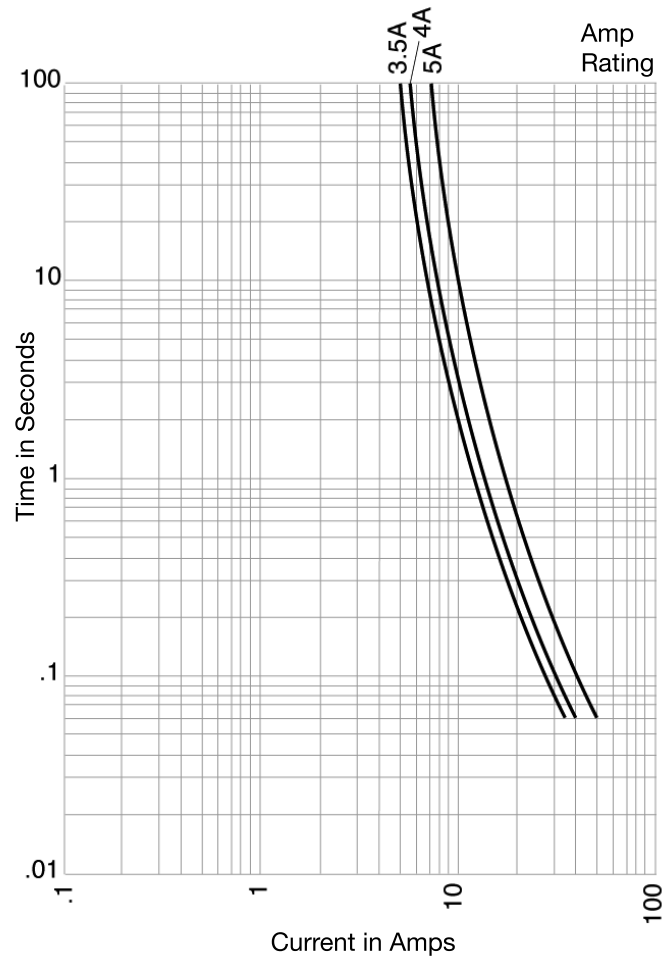
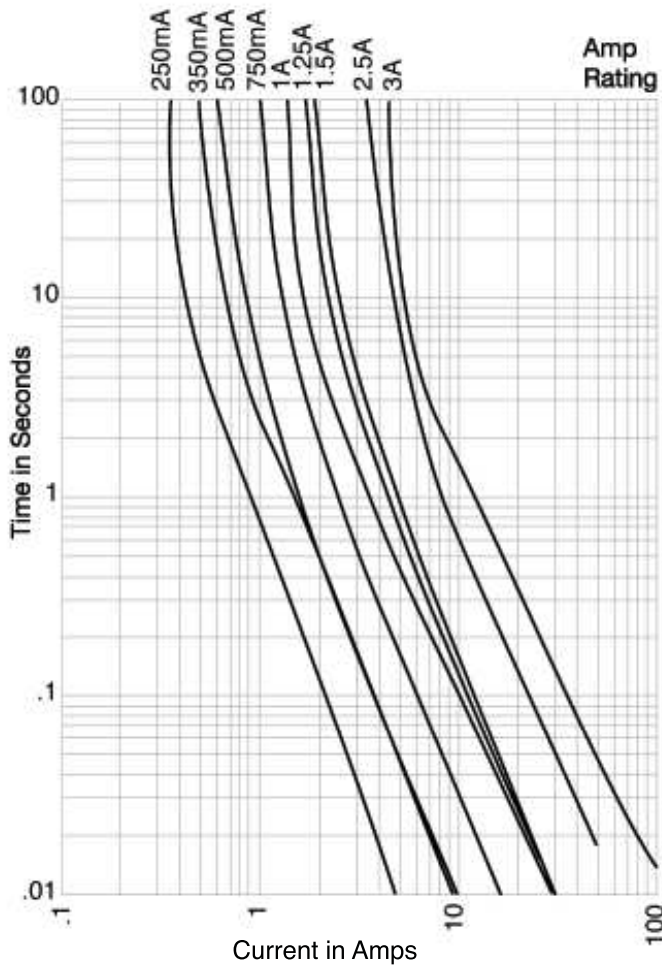
| Part Number | Voltage Rating Vac | Interrupting Rating at Rated Voltage (amps) |        |        | Typical DC Cold Resistance* (Ω) | Typical Melting I <sup>2</sup> t** DC | Max. Voltage Drop (mV)*** |
|-------------|--------------------|---|--------|--------|---------------------------------|---------------------------------------|---------------------------|
|             |                    | 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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