

# CC06H

## High I<sup>2</sup>t Chip™ 0603 size fuses



### Product feature:

- 0603 (1608 metric) compact design utilizes less board space
- Halogen free, lead free and RoHS compliant
- High inrush withstand capability
- Fast-acting performance
- Ampacity alpha mark on fuse for easy identification
- Standard termination design for easy solderability
- Compatible with standard lead-free solder reflow and wave soldering processes
- Excellent environmental integrity

### Applications

For secondary circuit protection in space constrained applications:

- LCD Backlight inverters
- Digital cameras
- DVD Players
- Bluetooth headsets
- Battery packs

### Agency information

- cULus Recognized Guide and Card JDXY2/JDXY8, File E19180

### Packaging

- TR - Packaging code suffix for tape-and-reel (8 mm wide tape on 178mm diameter reel - specification EIA 481-1)
- Quantity = 5000 fuses

## Electrical characteristics

| Amp Rating | % of Amp Rating | Opening Time  |
|------------|-----------------|---------------|
| 1-8 A      | 100             | 4 Hours       |
| 1-7 A      | 200             | 1-60 Seconds  |
| 1-8 A      | 250             | 5 Seconds Max |

## Specifications

| Part Number | Amp Rating <sup>5</sup> | Voltage Rating (Vdc) | Interrupting Rating <sup>1, 4</sup> (A) | Typical Cold Resistance <sup>2</sup> (Ω) | Typical Pre-Arcing <sup>3</sup> (I <sup>2</sup> t) | Typical Voltage Drop (mV) | Typical Power Dissipation (W) | Alpha Marking | Agency Information (cURus) |
|-------------|-------------------------|----------------------|-----------------------------------------|------------------------------------------|----------------------------------------------------|---------------------------|-------------------------------|---------------|----------------------------|
| CC06H1A     | 1                       | 32                   | 50                                      | 0.25                                     | 0.02                                               | 310                       | 0.32                          | B             | x                          |
| CC06H1.5A   | 1.5                     | 32                   | 50                                      | 0.13                                     | 0.07                                               | 250                       | 0.38                          | H             | x                          |
| CC06H2A     | 2                       | 32                   | 50                                      | 0.068                                    | 0.14                                               | 170                       | 0.38                          | K             | x                          |
| CC06H2.5A   | 2.5                     | 32                   | 50                                      | 0.05                                     | 0.25                                               | 155                       | 0.38                          | L             | x                          |
| CC06H3A     | 3                       | 32                   | 50                                      | 0.035                                    | 0.30                                               | 130                       | 0.38                          | O             | x                          |
| CC06H3.5A   | 3.5                     | 32                   | 50                                      | 0.023                                    | 0.50                                               | 100                       | 0.35                          | R             | x                          |
| CC06H4A     | 4                       | 32                   | 50                                      | 0.02                                     | 0.8                                                | 110                       | 0.45                          | S             | x                          |
| CC06H5A     | 5                       | 32                   | 50                                      | 0.013                                    | 1.6                                                | 95                        | 0.48                          | T             | x                          |
| CC06H6A     | 6                       | 32                   | 50                                      | 0.0076                                   | 2.6                                                | 80                        | 0.48                          | V             | x                          |
| CC06H7A     | 7                       | 32                   | 50                                      | 0.0056                                   | 3.3                                                | 80                        | 0.56                          | X             | x                          |
| CC06H8A     | 8                       | 32/24                | 50/80                                   | 0.0040                                   | 4.5                                                | 75                        | 0.60                          | Z             | x                          |

1. DC Interrupting Rating (measured at rated voltage, time constant of less than 50 microseconds, battery source).
2. DC Cold Resistance are measured at <10% of rated current in ambient temperature of 20 °C -  
FOR REFERENCE ONLY - CONTROLLED VALUES HELD BY PLANT AND SUBJECT TO CHANGE WITHOUT NOTICE.
3. Typical Pre-arcing I<sup>2</sup>t are measured at rated DC voltage, 10I<sub>n</sub> current (not to exceed interrupting rating).
4. The insulation resistance after breaking capacity test is higher than 0.1 MΩ when measured by 2X rated voltage.
5. Device designed to carry rated current for 4 hours minimum. An operating current 80% or less of rated current is recommended, with further design derating required at elevated ambient temperature. See Temperature Derating Curve on next page.