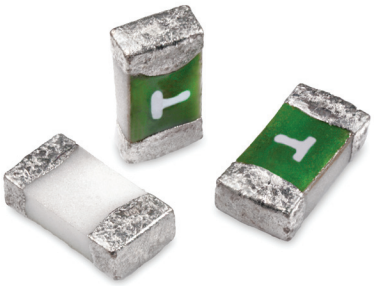
CC06H

High I^2t 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

- cURus Recognized Guide and Card JDXY2/JDYX8, 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[5]	Voltage Rating (Vdc)	Interrupting Rating[1, 4] (A)	Typical Cold Resistance[2] (Ω)	Typical Pre-Arcing[3] (I^2t)	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^2t are measured at rated DC voltage, $10I_n$ 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.