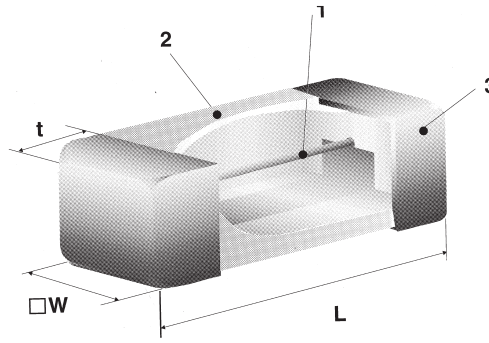


CIRCUIT PROTECTORS

CHIP CURRENT FUSE

CCF



STRUCTURE

- 1 Fuse elements
- 2 Fuse body
- 3 Electrode (Cu solder plated)

Products with Pb-free terminations meet EU-RoHS and China-RoHS requirements

IDENTIFICATION

| TYPE | COATING COLOR | MARKING |
|---------|---------------|----------------------|
| CCF 1 N | White | Black, rated current |

DIMENSIONS (mm)

| TYPE | L | W | t |
|---------|-----------|-----------|-----------|
| CCF 1 N | 6.0 ± 0.2 | 2.5 ± 0.2 | 1.4 ± 0.2 |

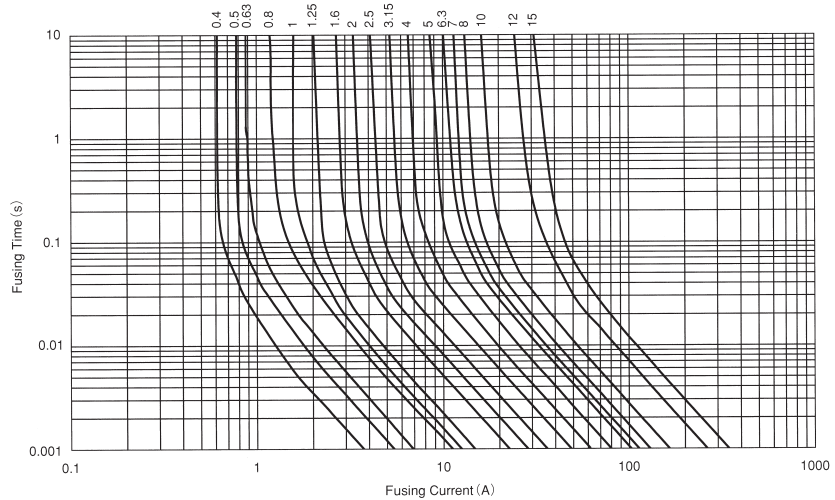
TYPE DESIGNATION (HOW TO ORDER)

| CCF | 1 | N | 1.25 | 1 | T | TE | Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS |
|--------------|------|--|-------------------------------|--|---|-------------------|---|
| PRODUCT CODE | STYE | FUSING CHARACTERISTICS N: Normal blow | RATED CURRENT Normal value | RATED VOLTAGE (UL) 'Blank': 125V a.c./60V d.c. or 65Va.c./65V d.c. D: 125V a.c./160V d.c. | TERMINATION SURFACE MATERIAL T: Sn (Blank: Sn/Pb) | TAPING* TE, BK | *Please see "PACKAGING" |
| CCF 1 N | 1 | N | 1.25 | 1 | T | TE | |

FEATURES

- Surface mount fuse, suitable for primary and secondary circuits
- Excellent mechanical strength with ceramic body
- Excellent anti-surge characteristics
- Ideal for use in power supplies for notebook PC's, LCD or illumination inverters and also in copying machines, laser beam printers, industrial equipment etc.
- Operating temperature range: -55° C ... + 125° C
- Suitable for reflow and wave soldering
- Awarded approvals:
PSE Type (1~10A) Class B
UL248.14 File No.E171861 (250 mA~15 A)
c-UL(CSA)C22.2 No.248.14
File No.E171861 (250 mA~15 A)

FUSING CHARACTERISTICS



Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

RATING

| TYPE | RATED CURRENT | RATED VOLTAGE* | INTERRUPTING CAPACITY | FUSING CHARACTERISTICS | | INTERNAL RES. (MAX.) | NORMAL MELTING I ² t (A ² ·s) |
|-------------|---------------|------------------|--------------------------|------------------------|---------------------|----------------------|---|
| | | | | RATED CURRENT | FUSING TIME | | |
| CCF 1N 0.4 | 400 mA | UL (c-UL) | UL (c-UL) | UL (c-UL) | | 650 mΩ | 0.024 |
| CCF 1N 0.5 | 500 mA | AC 125V | AC 125V 50A | 100% | 4h Min. | 510 mΩ | 0.030 |
| CCF 1N 0.63 | 630 mA | DC 60V | DC 60V 50A | 200% | 1s Max. | 390 mΩ | 0.052 |
| CCF 1N 0.8 | 800 mA | (DC 160 V) | (DC 160V) | | | 250 mΩ | 0.125 |
| CCF 1N 1 | 1 A | | | | | 90.4 mΩ | 0.156 |
| CCF 1N 1.25 | 1.25 A | | | PSE | | 75.9 mΩ | 0.220 |
| CCF 1N 1.6 | 1.6 A | PSE | PSE | 130% | 4h Min. | 59.3 mΩ | 0.513 |
| CCF 1N 2 | 2 A | AC 100V | AC 100V 100A | 160% | 1h Max. | 42.9 mΩ | 0.814 |
| CCF 1N 2.5 | 2.5 A | | | 200% | 1s Max. | 36.6 mΩ | 1.31 |
| CCF 1N 3.15 | 3.15 A | | | | | 26 mΩ | 2.37 |
| CCF 1N 4 | 4 A | UL (c-UL) | UL (c-UL) | UL (c-UL) | | 20.1 mΩ | 3.85 |
| CCF 1N 5 | 5 A | AC 125V | AC 125V 50A | 100% | 4h Min. | 15.3 mΩ | 6.50 |
| CCF 1N 6.3 | 6.3 A | DC 60V | DC 60V 50A | 200% | 1s Max. | 11.4 mΩ | 10.6 |
| CCF 1N 7 | 7 A | (DC 160V) | (DC 160V) | | | 10.6 mΩ | 12.8 |
| CCF 1N 8 | 8 A | | | | | 9.5 mΩ | 17.0 |
| CCF 1N 10 | 10 A | | | | | 7.5 mΩ | 27.7 |
| CCF 1N 12 | 12 A | UL (c-UL) | UL (c-UL) | UL (c-UL) | | 4.5 mΩ | 73.5 |
| CCF 1N 15 | 15 A | AC 65V DC 65V | AC 65V 50A DC 65V 50A | 100% 200% | 4h Min. 60s Max. | 3.5 mΩ | 125.5 |

* When using the product at temperatures other than normal temperature (25°C±5°C), temperature adjustment will be required.

Please contact KOA for special precautions before you order and use this series.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order/use.