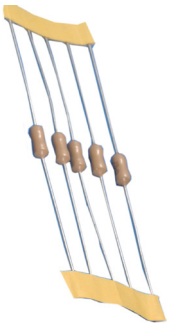


Time-Lag Sub-Miniature Fuse Axial Leaded

multicomp PRO

**RoHS
Compliant**



Description

The product is a time-lag fuse with low breaking capacity for use with printed circuit boards and is used in a variety of applications. This 2mm × 7mm device is constructed of a ceramic body with electroplated brass end caps. The product comes with 250V AC rating and 50 Ampere breaking capacity, offers excellent quality and is 100% tested for cold resistance and precise length.

Applications

Flat panel TVs, medical equipment, LCD monitors, lighting systems and industrial equipment.

Features

- Micro fuse with time-lag, low breaking capacity
- Ø2mm × 7mm physical size
- Ceramic tube, encapsulated with epoxy coating and nicked plated brass end cap
- Optional axial leads are 0.6mm × 26.5mm
- Protection against harmful over-currents in primary and secondary applications.
- Lead-free and Halogen-free
- Designed to UL 248-14

Specifications

| | |
|-----------------------|---|
| Operating Temperature | : -55°C to +125°C |
| Storage Conditions | : +10°C to +60°C |
| Relative Humidity | : ≤ 75% yearly average without dew, maximum 30 days at 95% |
| Vibration Resistance | : 24 cycles at 15 min. each 10-60Hz at 0.75mm amplitude 60-2000Hz at 10g acceleration |

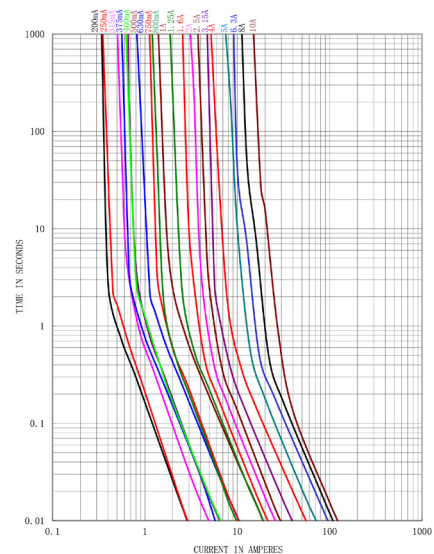
Electrical Characteristics

Time vs Current Characteristics Table

(measured with constant current power supply)

| Time vs Current Characteristics: UL-248-14 | | | | |
|--|------|--------|---------|------------|
| Rated Current | 100% | 200% | 300% | 800% |
| 100mA to 10A | >4h | 1s~60s | 0.2s~3s | 10ms~100ms |

Average Time Current (I-T) Curves



Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO

Time-Lag Sub-Miniature Fuse Axial Leaded

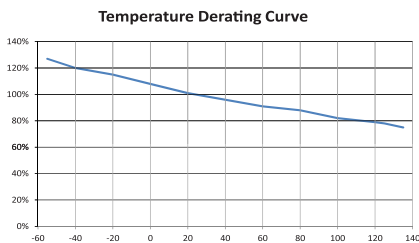
Electrical Characteristics at 25°C

| Part Number | Amp Code | Rated Current | Rated Voltage | Typical Cold Resistance (mΩ) | Nominal Melting I ² T (A ² s) | Breaking Capacity |
|-------------|----------|---------------|--------------------|------------------------------|---|--------------------------------|
| MP001592 | 1200 | 2A | 125V AC 250V AC | 32.6 | 6.65 | 50A @ 125V AC 50A @ 250V AC |
| MP007126 | 1630 | 6.3A | | 9.9 | 91 | 35A @ 125V AC 35A @ 250V AC |

Note:

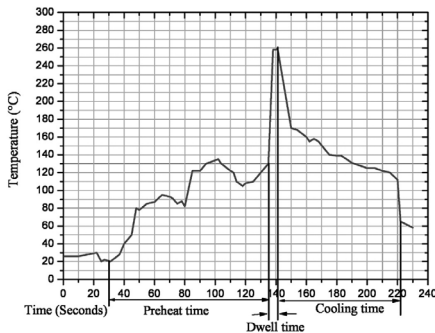
- (1) Permissible continuous operating current is 100% at ambient temperature of 23°C (73.4°F)
- (2) The current values used for calculating I²T should be within the standard range of 8ms~10ms.

Temperature Derating Curve



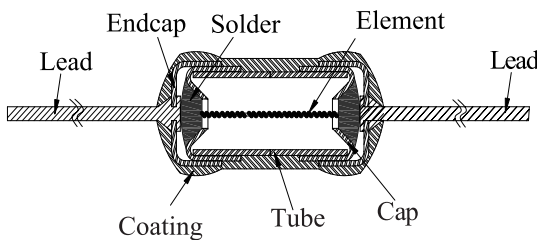
Calculation for ideal fuse selection = $\frac{\text{Operating Current (A)}}{\text{Rating (\%} \times 0.75)}$

Soldering Parameters



- 260°C.≤5 sec (Wave Soldering)
- 350°C ≤3 sec (Hand Soldering)
- Soldering Peak:
260°C - 10 sec (IEC 60068-20)

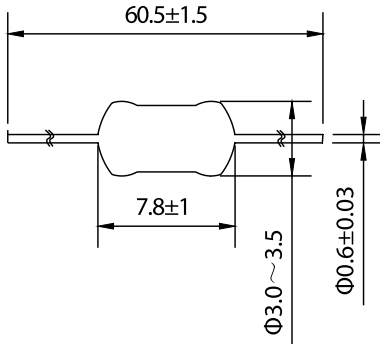
Mechanical Specifications



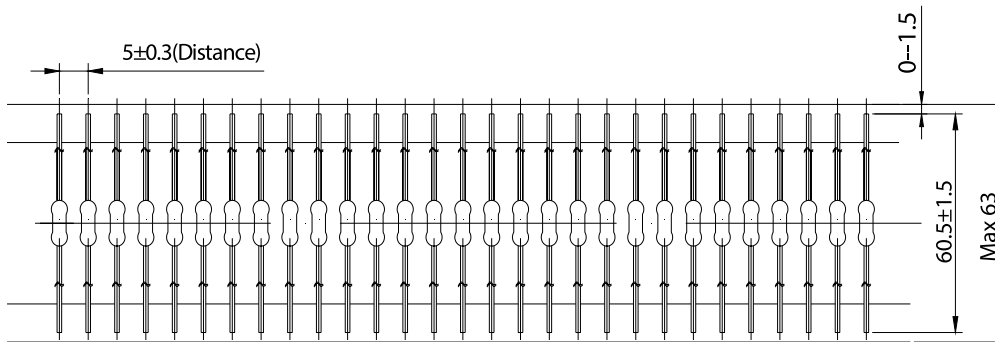
Time-Lag Sub-Miniature Fuse Axial Leaded



Diagram



Packing Information



Part Number Table

| Description | Part Number |
|---|-------------|
| Sub-Miniature Fuse, Time-Lag, 2A, 250V AC, Axial Leaded | MP001592 |
| Sub-Miniature Fuse, Time-Lag, 6.3A, 250V AC, Axial Leaded | MP007126 |

Dimensions : Millimetres

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

