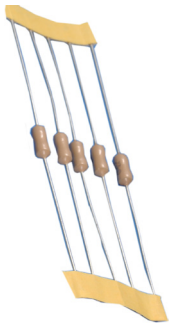


# Time-Lag Sub-Miniature Fuse Axial Leaded

**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 3mm × 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

Flatpanel TVs, medical equipment, LCD monitors, lighting systems and industrial equipment.

## Features

- Subminiature fuse with quick-acting, low breaking capacity
- 3mm × 7mm physical dimensions
- Ceramic tube, encapsulated with epoxy coating and with nickel plated brass end caps
- 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

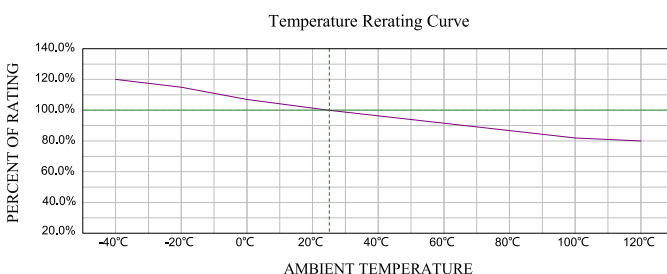
## Specifications

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

Part Number	Rated Current	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec)	Cold Resistance (mΩ)±30%	Breaking Capacity
MP001592	2A	6.76	32.5	35A/250V AC

## Temperature Derating Curve



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

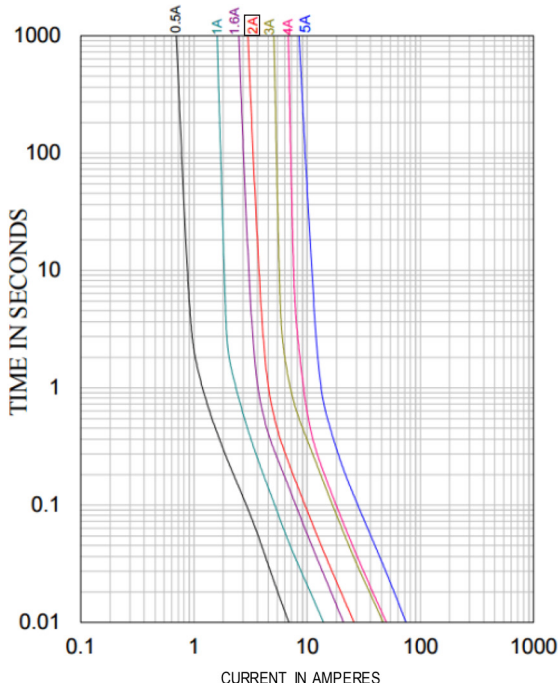
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# Time-Lag Sub-Miniature Fuse Axial Leaded

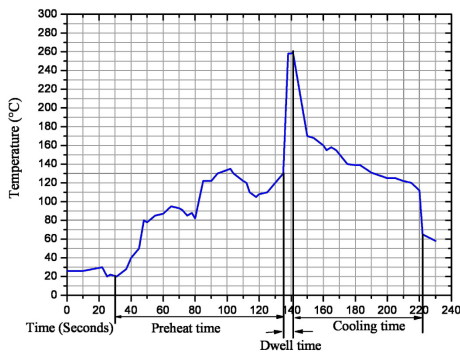
## Time vs Current Characteristics Table

### Average Time Current (I-T) Curves



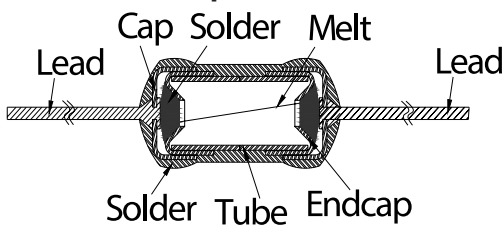
Time vs Current Characteristics: UL-248-14				
Rated Current	100%	200%	300%	800%
2A	>4h	1s~60s	0.2s~3s	10ms~100ms

## Soldering Parameters



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

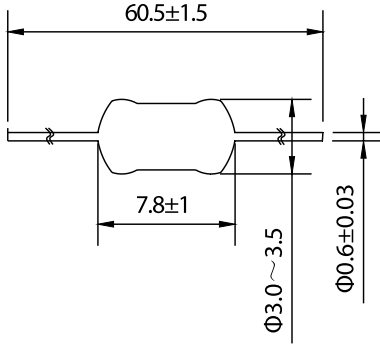
## Mechanical Specifications



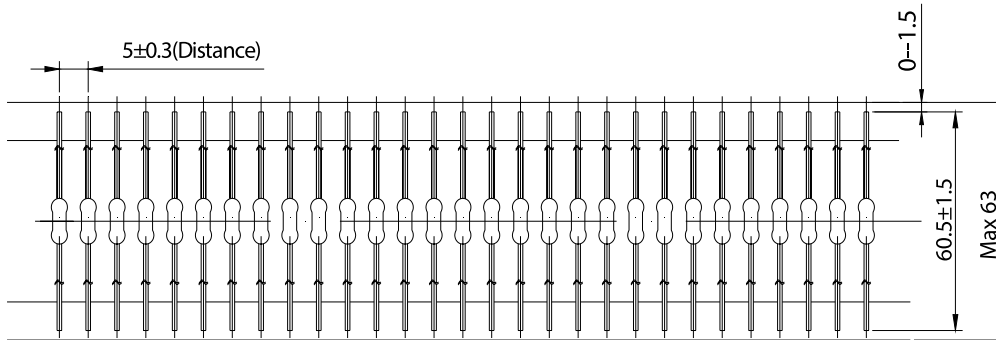
# Time-Lag Sub-Miniature Fuse Axial Leaded



## Diagram



## Packing Information



Dimensions : Millimetres

## Part Number Table

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

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