

Cartridge Fuses

Ceramic, Time-Lag, $\Phi 5.2\text{mm} \times 20\text{mm}$

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**RoHS
Compliant**



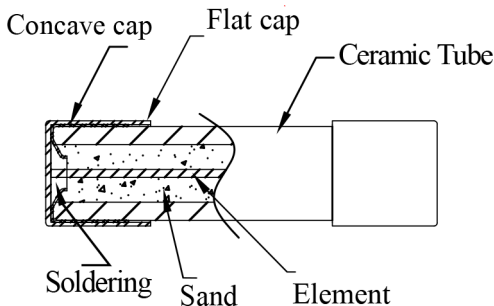
Description

This series time-lag fuse with high breaking capacity for use with printed circuit boards is used in a large variety of applications. This $\Phi 5\text{mm} \times 20\text{mm}$ device is constructed of a ceramic tube with electro-plated brass end caps. This series with 500V DC rating and 400 Ampere breaking, and 600V AC rating and 100 Ampere breaking, offers excellent quality and is 100% tested for cold resistance and precise length.

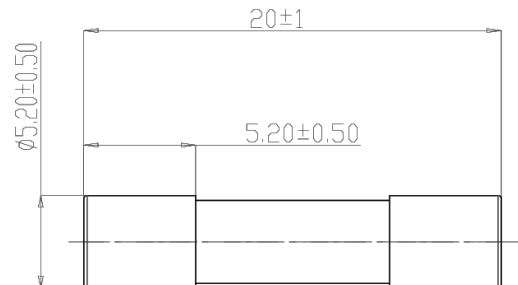
Features

- Miniature fuse with Time-lag, high breaking capacity
- $\Phi 5\text{mm} \times 20\text{mm}$ physical dimensions
- Ceramic tube, encapsulated design with nickel - plated brass end caps
- Protection against harmful over-currents in primary and secondary applications.
- Designed compliant to UL248-14 IEC60127-7

Mechanical Specifications



Dimensions



Dimensions : Millimetres

Electrical Specifications

Time vs Current Characteristics Table

(measured with constant current power supply)

Time vs Current Characteristics: UL 248-14					
Rated Current	150%	210%	275%	400%	1000%
500mA	>1h	<30min	750ms-80s	150ms-5s	10ms-150ms

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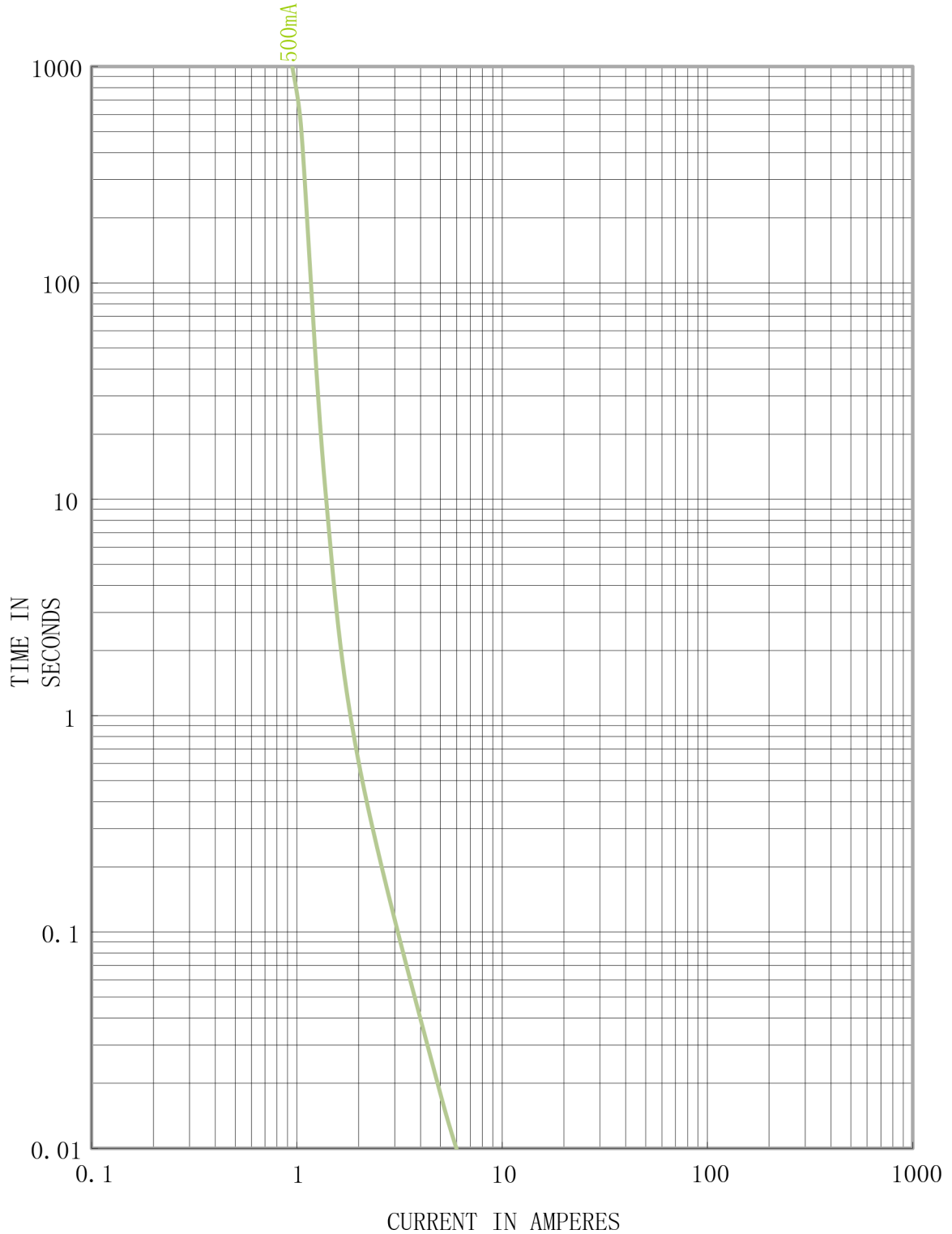
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Average Time Current (I-T) Curve



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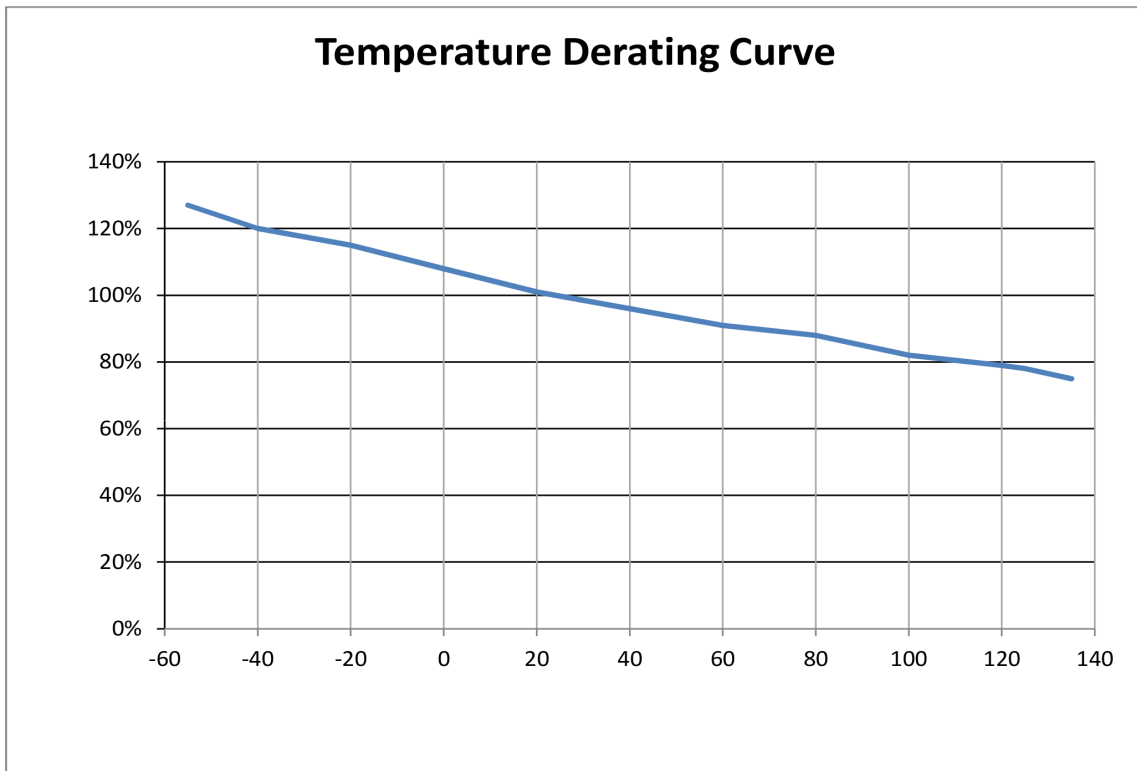
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Electrical characteristics

Electrical Characteristics at 25°C						
Amp Code	Rated Current	Nominal Melting I ^{2t} (A ² sec)	Typical cold Resistance (mΩ)	Breaking Capacity	Approvals	
					cURus	TUV
MP008896	500mA	0.45	1230	400A@ 500V DC 100A@600V AC	●	●

Notes: (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
 (2) Typical pre-arcing I^{2t} are measured at 10In current.



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

Part Number Table

Description	Part Number
Cartridge Fuse, Time-Lag, $\Phi 5.2\text{mm} \times 20\text{mm}$, 0.5A, 600V AC/500V DC, Clip Mount	MP008896

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