Cartridge Fuses
Glass, Time-Lag, Φ5.2mm x 20mm

RoHS Compliant

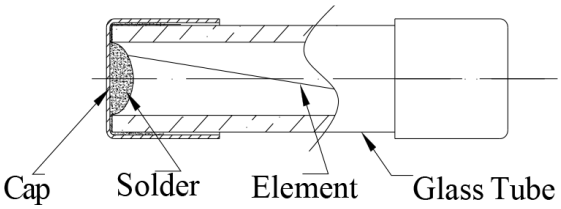
Description

This series time-lag fuse with low breaking capacity for use with printed circuit boards is used in a large variety of applications. This Φ5mm × 20mm device is constructed of a glass tube with electro-plated brass end caps. This series with 250V AC rating and 35A or 10In Ampere breaking capacity, offers excellent quality and is 100% tested for cold resistance and precise length.

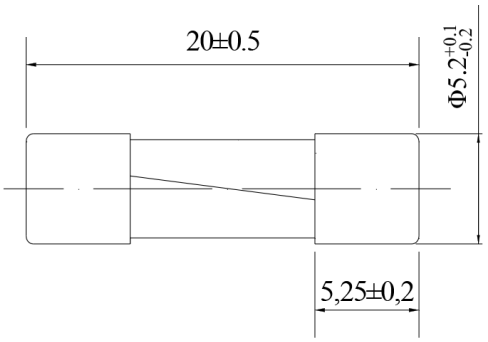
Features

- Miniature fuse with time-lag, low breaking capacity
- Φ5mm × 20mm physical dimensions
- Glass tube, encapsulated design with nickel - plated brass end caps
- Protection against harmful over-currents in primary and secondary applications.
- Designed compliant to IEC 60127-2/III

Mechanical Specifications



Dimensions



Dimensions : Millimetres

Electrical Specifications

Time vs Current Characteristics Table

(measured with constant current power supply)

Time vs Current Characteristics: IEC 60127-2/III					
Rated Current	100%	210%	275%	400%	1000%
100mA	>1h	<2min	200ms-10s	40ms-3s	10ms~300ms
125mA~10A	>1h	<2min	600ms~10s	150ms~3s	20ms~300ms
12A~16A	>30min	<5min	600ms~15s	150ms~5s	20ms~400ms

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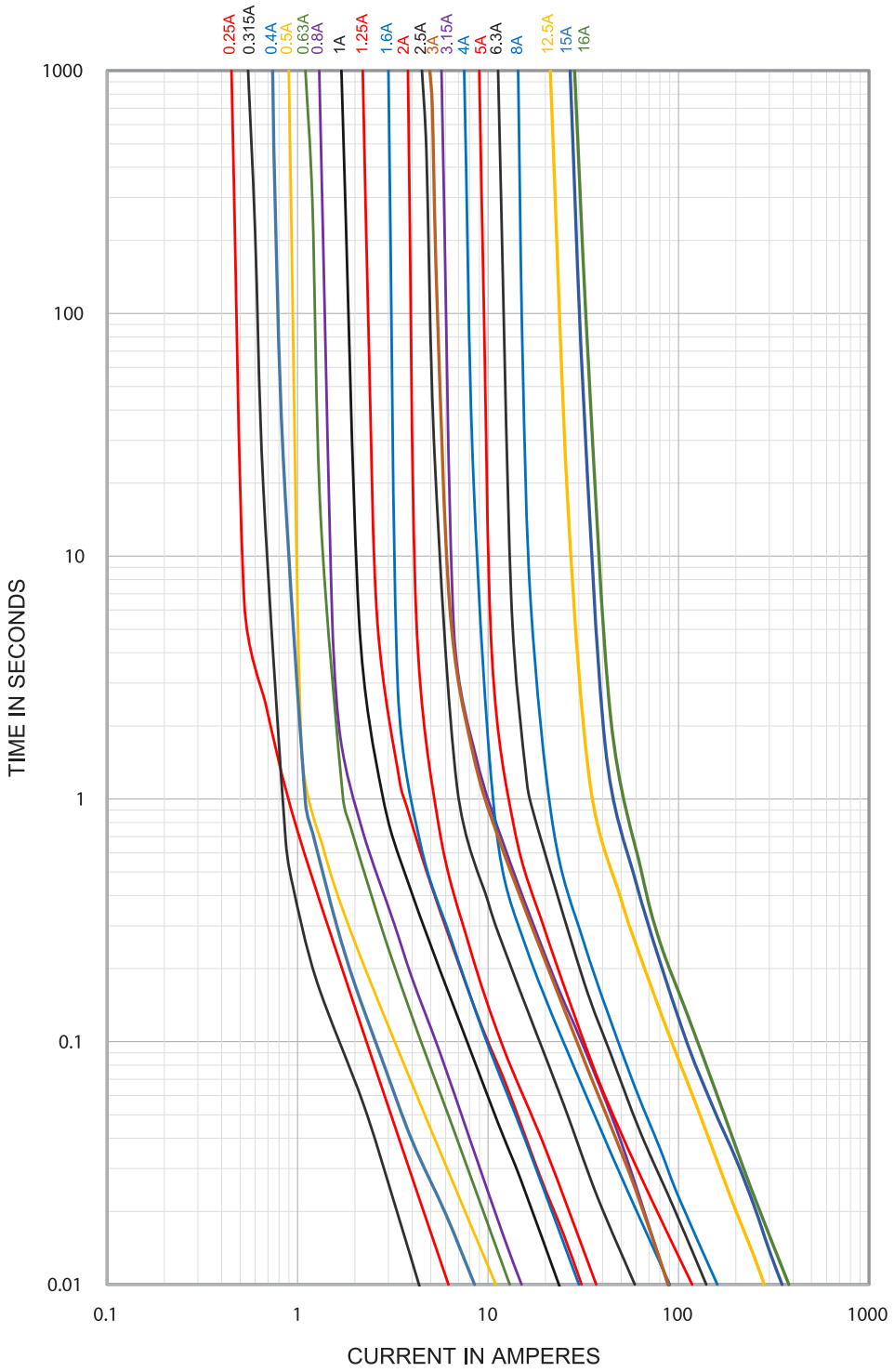
Average Time Current (I-T) Curves



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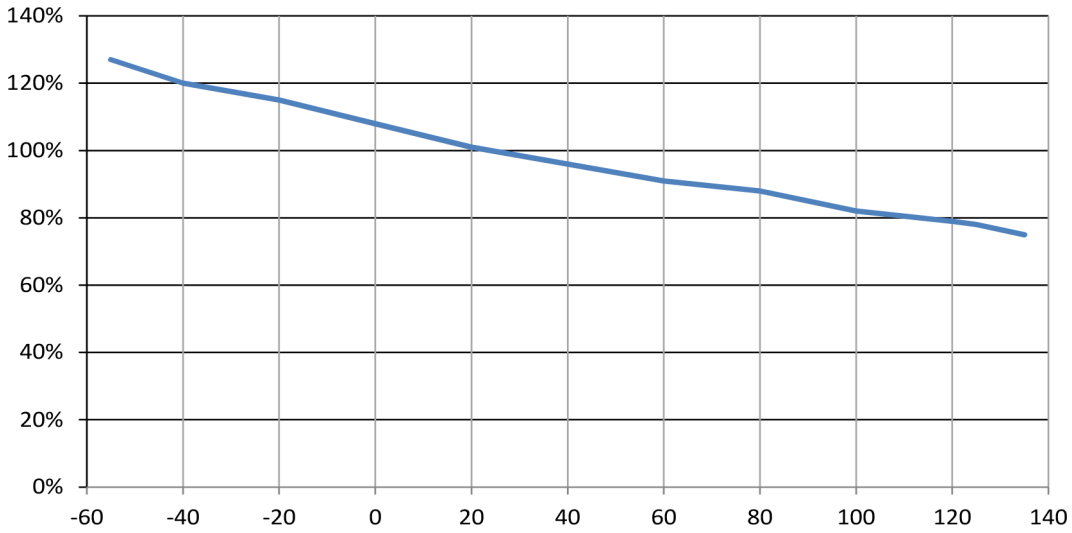
Electrical characteristics

Electrical Characteristics at 25°C														
Amp Code	Rated Current	Rated Voltage	Max Voltage Drop(mV)	Max.Power Dissipation (W)	Nominal Melting I²t (A²sec)	Typical cold Resistance (mΩ)	Breaking Capacity	Approvals						
								VDE	CQC	cURus	PSE	CCC	KC	TUV
MP008903	3.00A	250V AC	120	1.6	78	19.1	35A or 10In@250V AC	○	○	●	○	○	○	○
MP008904	3.15A		100		98	17.2		●	○	●	●	●	●	○
MP008905	5.00A				139	10.8		●	○	●	●	●	●	○

Notes: (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



Part Number Table

Description	Part Number
Cartridge Fuse,Time-Lag, Φ5.2mm × 20mm, 3A, 250V AC, Clip Mount	MP008903
Cartridge Fuse,Time-Lag, Φ5.2mm × 20mm, 3.15A, 250V AC, Clip Mount	MP008904
Cartridge Fuse,Time-Lag, Φ5.2mm × 20mm, 5A, 250V AC, Clip Mount	MP008905