

RoHS
Compliant



Description

These series is fast-acting, high breaking capacity fuse.

Features

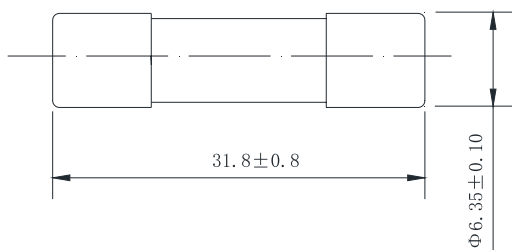
- Fast-Acting, high breaking capacity under 1000V AC/DC.
- $\Phi 6\text{mm} \times 30\text{mm}$ physical size
- Special engineering material tube, Silver plated copper cap construction.
- Designed to UL248-1.

Specifications

Operating Temperature	: -55°C to 125°C
Storage Conditions	: +10°C to +60°C
Relative humidity	: $\leq 75\%$ yearly average without dew, maximum 30 days at 95%
Vibration Resistance	: 24 cycles at 15 min. each (60068-6) 10-60Hz at 0.75mm amplitude 60-2000Hz at 10g acceleration

Construction And Mechanical Characteristics

Dimensions



Dimensions : Millimetres

Electrical characteristics

Electrical Characteristics at 25°C						
Amp Code	Rated Current	Rated Voltage	Typical Voltage Drop (mV)	Breaking Capacity	Typical Melting I ² T (A ² s)	Typical Cold Resistance (mΩ)
MP013406	315mA	1000V DC 1000V AC	900	10KA @ 1000V AC 10KA @ 1000V DC	0.05	1875
MP013407	500mA		600		0.081	1160
MP013408	1A		560		0.21	450

Notes: (1) DC cold resistance are measured at <10% of rated current in ambient temperature of 25°C.
 (2) Typical pre-arcing I²t are measured at 10I_n current.

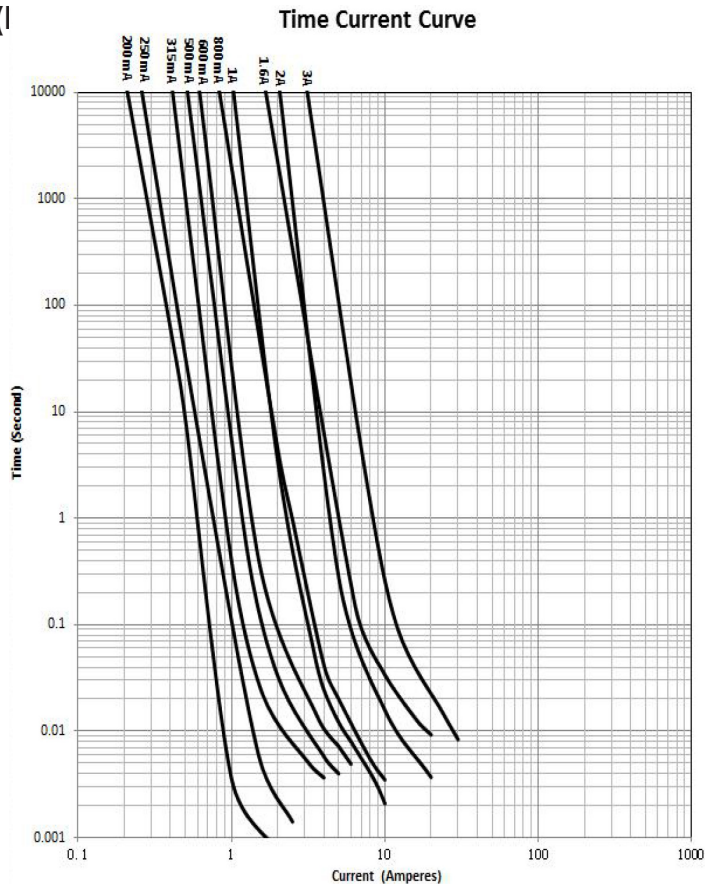
Electrical Specifications

Time vs Current Characteristics Table

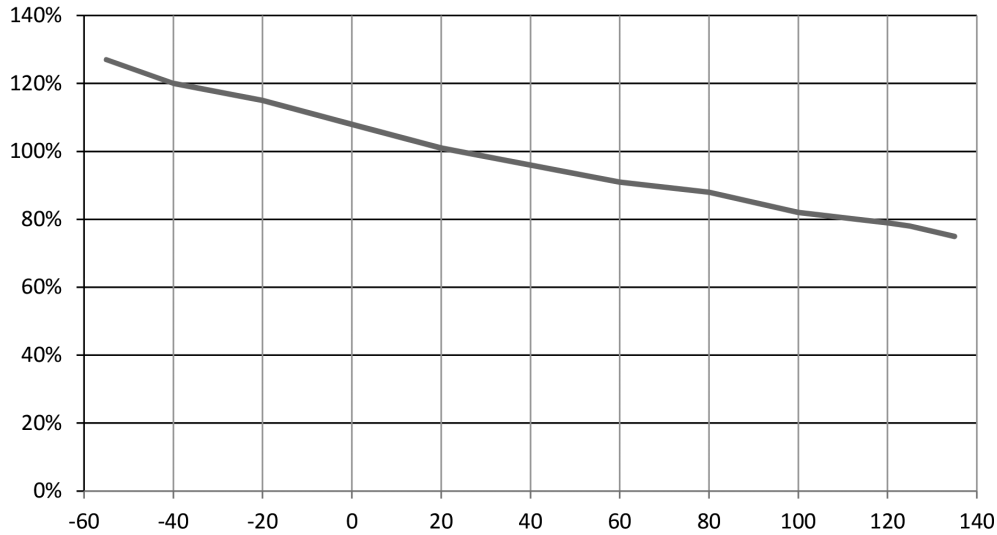
(measured with constant current power supply) (according to UL248-1)

Rated Current	100%	250%
200mA~3A	>4H	<120s

Average Time Current (I



Temperature Derating Curve



Part Number Table

Description	Part Number
Cartridge Fuse, 315mA, 1000 V AC/DC, Lead Free	MP013406
Cartridge Fuse, 500mA, 1000 V AC/DC, Lead Free	MP013407
Cartridge Fuse, 1A, 1000 V AC/DC, Lead Free	MP013408

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