

RoHS **Pb** **508 Series** Lead-Free 3AB Fuse



Description

A 1000Vac/Vdc rated ceramic fuse with remarkable interrupting rating in a compact 6.3 x 32mm package, which is well suited for circuit protection in high energy applications.

Features

- In accordance with underwriter's Laboratories Standard UL 248-14
- Available in cartridge
- Pluggable into clips or shock safe holders
- RoHS compliant and Lead-free
- Superior Interrupting rating of 10,000 Amperes
- Compact form factor of 6.3 x 32mm

Applications

Used as supplementary protection in appliance or utilization equipment to provide individual protection for components or internal circuits.

Agency Approvals

Agency	Agency File Number	Ampere Range
	Recognised File: E10480	315mA - 500mA
		315mA - 500mA

Electrical Characteristics

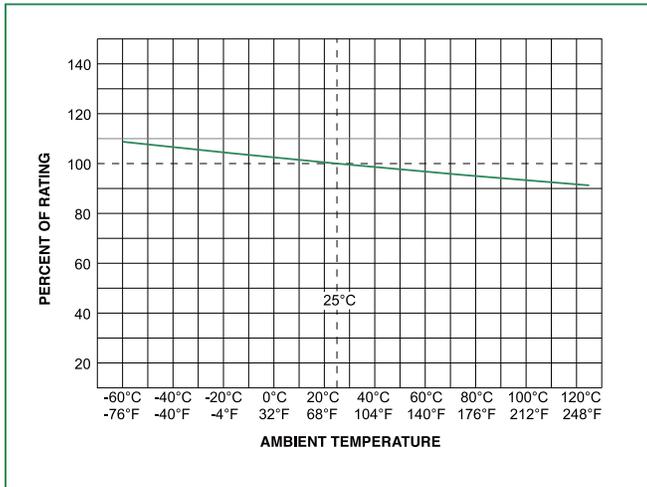
% of Ampere Rating	Ampere Rating	Opening Time
100%	315mA - 500mA	4 Hours, Minimum
135%		1 Hour, Maximum
200%		120 Seconds, Maximum

Electrical Characteristic

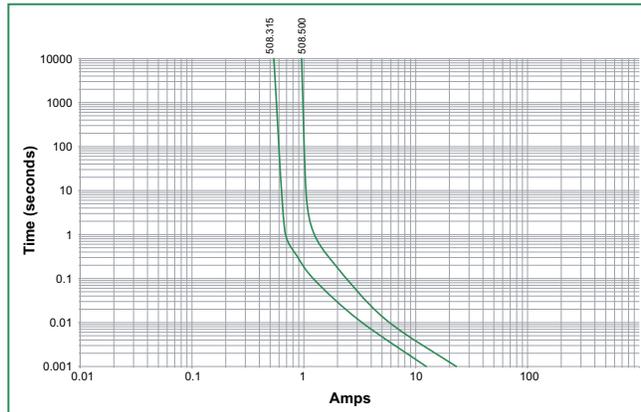
Amp Code	Amp Rating	Voltage Rating	Interrupting Rating	Nominal Cold Resistance Cold Ohms (Ohms)	Nominal Melting I ² t (A ² sec.)	Agency Approvals	
.315	0.315	1000	10kA @ 1000Vac 10kA @ 1000Vdc	9200	1.123	x	x
.500	0.5	1000		3572	1.322	x	x

* 10KA@600Vac/dc also cURus approved. Add suffix "6": Example: 0508.315MX6P.

Temperature Derating Curve



Average Time Current Curves

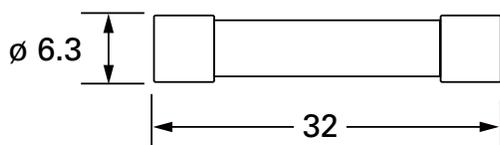


Product Characteristics

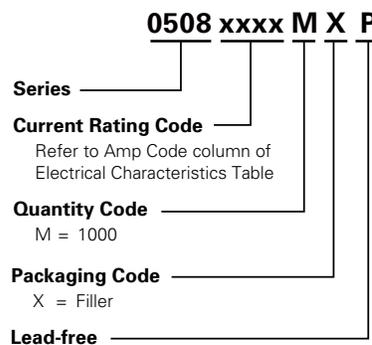
Materials	Body : Ceramic Cap : Nickel-plated brass
Terminal Strength	MIL-STD-202G, Method 211A, Test Condition A
Solderability	NA
Product Marking	Cap1 : Brand logo, current and voltage ratings Cap2 : Series and agency approval marks

Operating Temperature:	-55°C to 125°C.
Thermal Shock:	MIL-STD-202G, Method 107G, Test Condition B (5 Cycles -65°C to +125°C).
Vibration	MIL-STD-202G, Method 201A
Humidity	MIL-STD-202G, Method 103B, Test Condition A: High relative humidity (95%) and elevated temp (40°C) for 240 hours
Salt Spray	MIL-STD-202G, Method 101E, Test Condition B

Dimensions



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Reel Size
508 Series				
Bulk	N/A	1000	MX	N/A