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

Agency Approvals

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

Applications

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

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

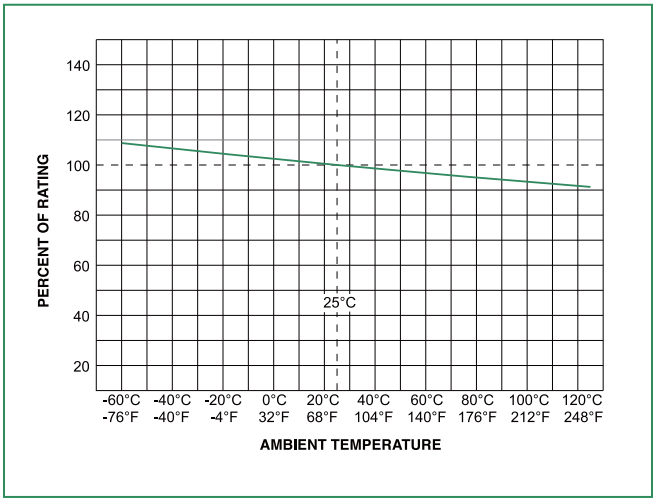
Amp Code	Amp Rating	Voltage Rating	Interrupting Rating	Nominal Cold Resistance (mohms)	Nominal Melting I^2t (A^2 sec.)	Agency Approvals	
						cULus	CE
.315	0.315	1000	10kA @ 1000Vac 10kA @ 1000Vdc	9200	0.071	x	x
.500	0.5	1000		3572	0.259	x	x

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

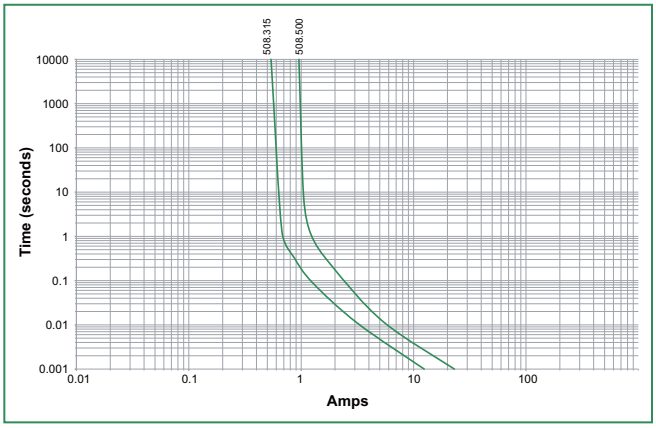
508 Series

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Please refer to www.littelfuse.com/series/508.html for current information.

Temperature Rerating Curve



Average Time Current Curves

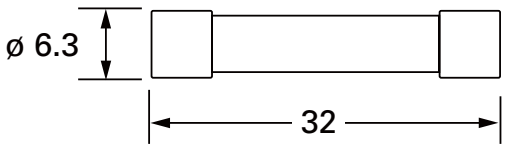


Product Characteristics

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

0508 xxxx M X P

Series

Current Rating Code
Refer to Amp Code column of Electrical Characteristics Table

Quantity Code
M = 1000

Packaging Code
X = Filler

Lead-free

Packaging

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

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