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Axial Lead & Cartridge Fuses

3AB > Fast-Acting > 506 Series

506 Series Lead-Free 3AB, Fast-Acting Fuse



Agency Approvals

AGENCY	CERTIFICATE NUMBER	AMPERE RANGE
	E10480	15A - 20A
	N/A	15A - 20A

Electrical Characteristics for Series

% of Ampere Rating	Ampere Rating	Opening Time
100%	15A - 20A	3600 sec, Min
135%		3600 sec, Max
200%		120 sec, Max

Description

A 600Vdc rated ceramic fuse with remarkable interrupting rating in a compact 6.3×32mm package, which is well suited for circuit protection in high DC energy applications.

Features

- In accordance with Underwriter's Laboratories Standard, UL 248-14.
- Available in cartridge and axial lead form.
- Lead-free, Halogen free, and RoHS compliant.
- Superior interrupting rating of 10,000 Amperes.
- Compact form factor of 6.3×32mm.

Applications

High energy and power efficient applications.

Additional Information


[Datasheet](#)


[Resources](#)

[Samples](#)

[Accessories](#)

For recommended fuse accessories for this product series, see '[Recommended Accessories](#)' section.

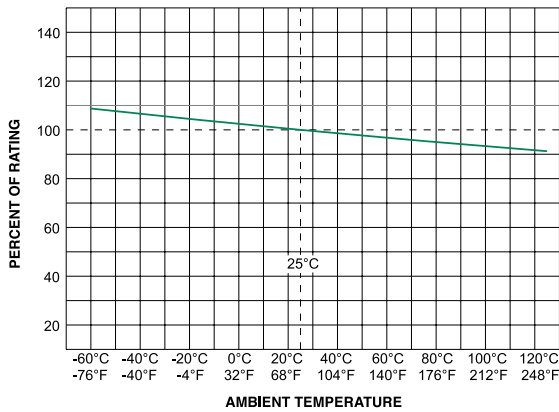
Electrical Characteristic by Item

Amp Rating (A)	Amp Code	Voltage Rating (DC)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec.)	Agency Approvals
15	015	600	10KA @ 600VDC	0.008	61	 x
16	016	600		0.008	61	x
20	020	600		0.006	105	x

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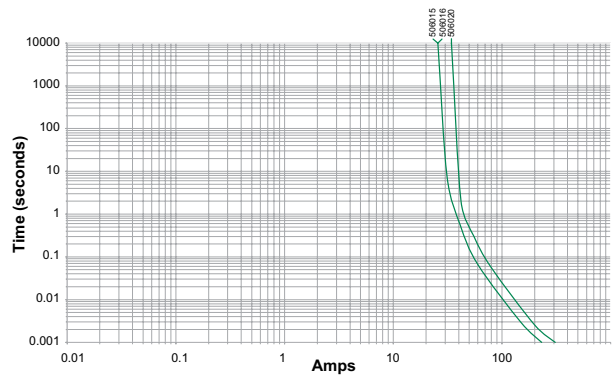
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Temperature Re-rating Curve



Note:
 Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves

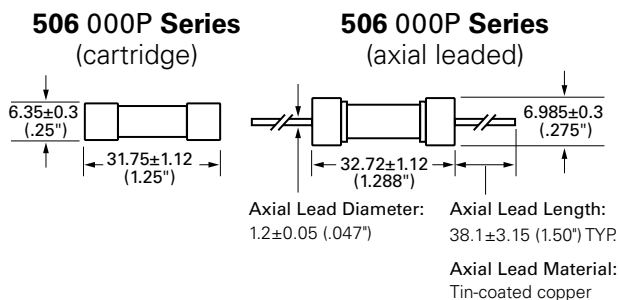


Product Characteristics

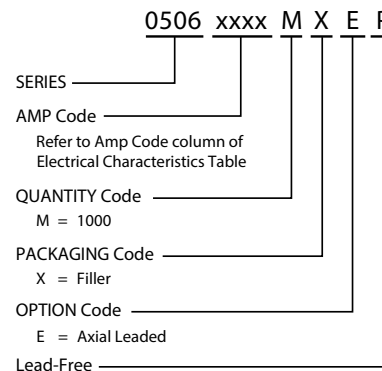
Materials	Body : Ceramic Cap : Nickel Plated Brass
Terminal Strength	MIL-STD-202, Method 211, Test condition A
Solderability	MIL-STD-202 Method 208
Product Marking	Cap1 : Brand logo, current and voltage ratings Cap2 : Series and agency approval marks

Operating Temperature	-55°C to +125°C
Thermal Shock	MIL-STD-202, Method 107, Test condition B: (5 cycles -65°C to 125°C)
Vibration	MIL-STD-202, Method 201
Humidity	MIL-STD-202, Method 103, Test condition A: High relative humidity (95%) and Elevated temperature (40°C) for 240 hours
Salt Spray	MIL-STD-202, Method 101, Test condition B

Dimensions



Part Numbering System



Packaging

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

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Recommended Accessories

Accessory Type	Series	Description	Max Application Voltage	Max Application Amperage
Holder	150322	In-Line Fuseholder	500	15
Block	354	Low Profile OMNI-BLOK® Fuse Block	600	30
	359	High Current Screw Terminal Fuse Block		30
Clip	122	High Current Traditional PC Board Fuse Clip	1000	30
	101	Rivet/Eyelet Type Fuse Clip	1000	15

Notes:

1. Do not use in applications above rating.
2. Please refer to fuseholder data sheet for specific re-rating information.
3. Please contact factory for applications greater than the max voltage and amperage shown.