

## Excellent Integrated System Limited

Stocking Distributor

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For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

## Axial Lead &amp; Cartridge Fuses

3AB &gt; Fast-Acting &gt; 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

## Electrical Characteristic by Item

Amp Rating (A)	Amp Code	Voltage Rating (DC)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting $I^2t$ (A <sup>2</sup> 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

## Description

A 600Vdc rated ceramic fuse with remarkable interrupting rating in a compact 6.3x32mm 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 6.3x32mm.

## Applications

High energy and power efficient applications.

## Additional Information



Datasheet



Resources



Samples



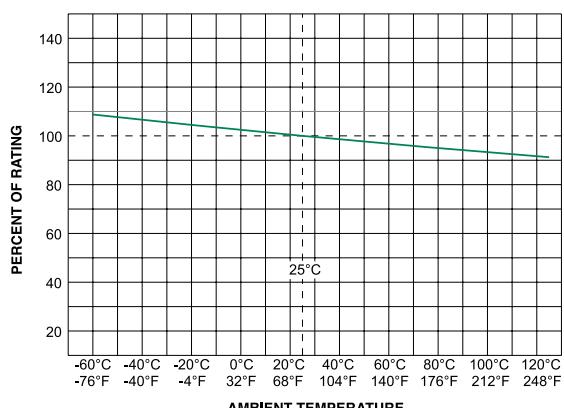
Accessories

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

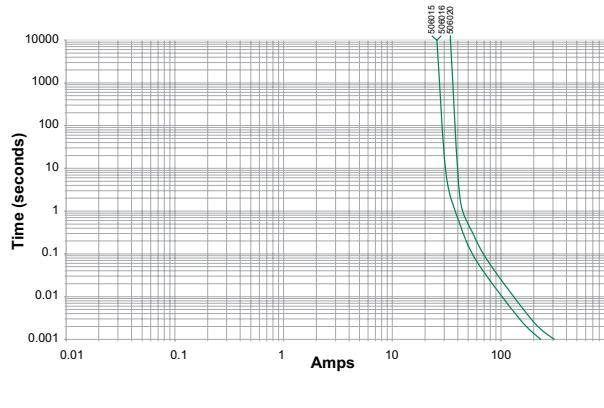
## Axial Lead & Cartridge Fuses

### 3AB > Fast-Acting > 506 Series

#### Temperature Re-rating Curve



#### Average Time Current Curves



Note:

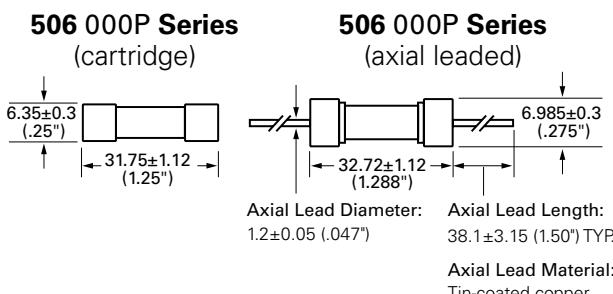
Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

#### Product Characteristics

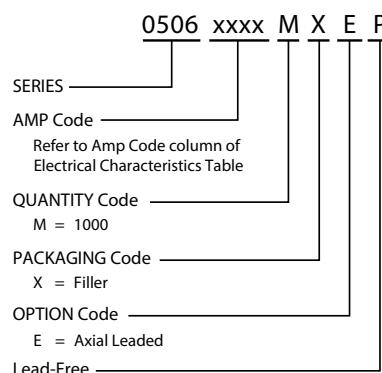
<b>Materials</b>	Body : Ceramic Cap : Nickel Plated Brass
<b>Terminal Strength</b>	MIL-STD-202, Method 211, Test condition A
<b>Solderability</b>	MIL-STD-202 Method 208
<b>Product Marking</b>	Cap1 : Brand logo, current and voltage ratings Cap2 : Series and agency approval marks

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

#### Dimensions



#### Part Numbering System



#### Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Reel Size
<b>506 Series</b>				
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	<a href="#">150322</a>	In-Line Fuseholder	500	15
Block	<a href="#">354</a>	Low Profile OMNI-BLOK® Fuse Block	600	30
	<a href="#">359</a>	High Current Screw Terminal Fuse Block		30
Clip	<a href="#">122</a>	High Current Traditional PC Board Fuse Clip	1000	30
	<a href="#">101</a>	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.