

RoHS **HF 506 Series** Lead-Free 3AB, Fast-Acting Fuse



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.
- Pluggable into clips or shock safe holders.
- ROHS compliant and lead free.
- Superior interrupting rating of 10,000 Amperes.
- Compact form factor of 6.3x32mm.

Applications

High energy and power efficient applications.

Agency Approvals

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

Electrical Characteristics for Series

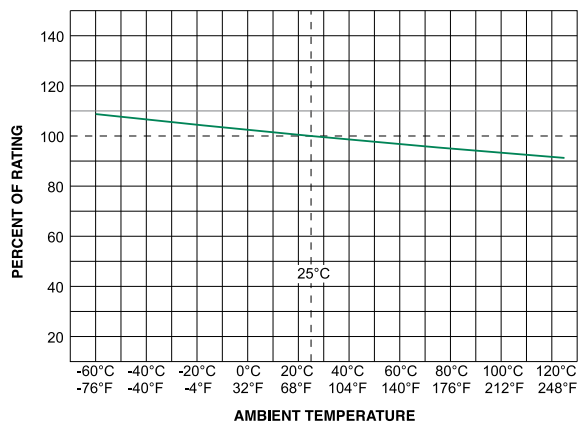
% of Ampere Rating	Ampere Rating	Opening Time
100%	15A - 20A	3600 sec, Min
135%		3600 sec, Max
200%		120 sec, Max

Electrical Characteristic by Item

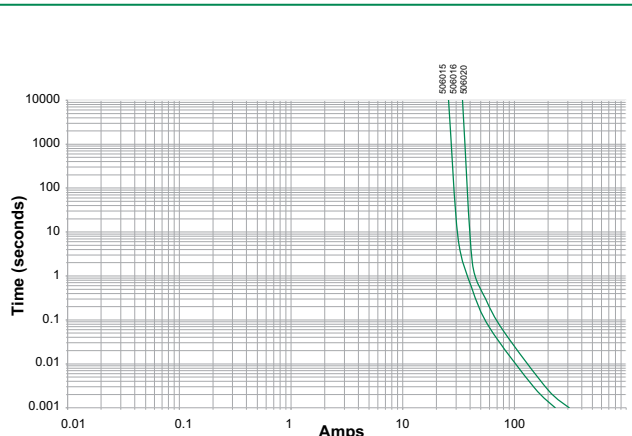
Amp Rating (A)	Amp Code	Voltage Rating (DC)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec.)	Agency Approvals
15	015	600	10KA @ 600VDC*	0.008	61	
16	016	600		0.008	61	x
20	020	600		0.006	105	x

* For AC breaking capacity, please contact Littelfuse for details.

Temperature Derating Curve



Average Time Current Curves

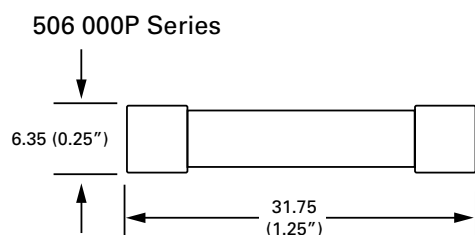


Product Characteristics

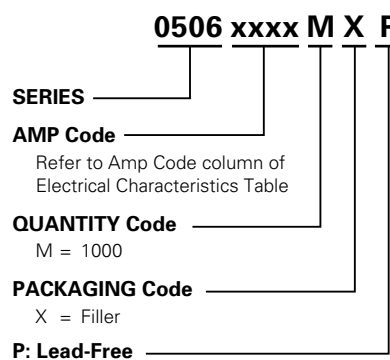
Materials	Body : Ceramic Cap : Nickel Plated Brass
Terminal Strength	MIL-STD-202G, Method 211A, Test condition A
Solderability	NA
Product Marking	Cap1 : Brand logo, current and voltage ratings Cap2 : Series and agency approval marks

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 temperature (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
506 Series				
Bulk	N/A	1000	MX	N/A