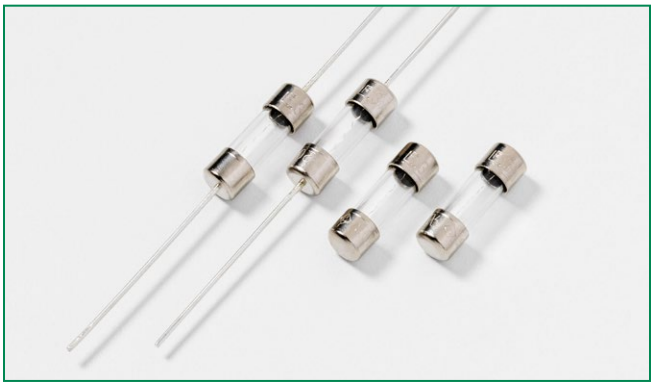
Axial Lead & Cartridge Fuses

2AG > Fast-Acting > 2206 Series

Littelfuse
Expertise Applied | Answers Delivered

2206 Series, Lead-Free 2AG, Fast-Acting Fuse



Description

The 2AG Fast-Acting Axial Leaded Fuses provide the same performance characteristics as their 3AG counterpart while occupying one-third the space.

Features

- In accordance with Underwriter's Laboratories Standard UL 248-14
- Fuses are boardwashable in most solvents with thermoplastic sleeve
- Available in axial lead form and with various lead forming dimensions
- RoHS compliant and lead–free

Applications

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

Agency Approvals

Agency	Agency File Number	Ampere Range
	E10480	0.75A - 3A
	29862	0.75A - 3A
	N/A	0.75A - 3A

Additional Information

Datasheet | Resources | Samples

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
135%	1 hour, Maximum
200%	1 second, Maximum

Electrical Characteristic Specifications by Item

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec)	Nom Voltage Drop (mV)	Nom Power Dissipation (W)	Agency Approvals	
.750	0.75	300	100A@300Vac 10KA@125Vac	0.1520	1.05	N/A	N/A	x	x
1	001	300		0.1027	2.22	N/A	N/A	x	x
2	002	300		0.0497	1.50	N/A	N/A	x	x
3	003	300		0.0317	4.62	N/A	N/A	x	x

Revised: 07/30/18

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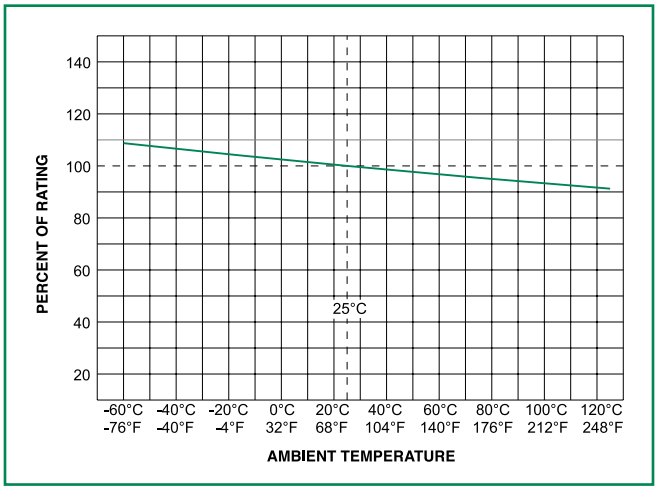
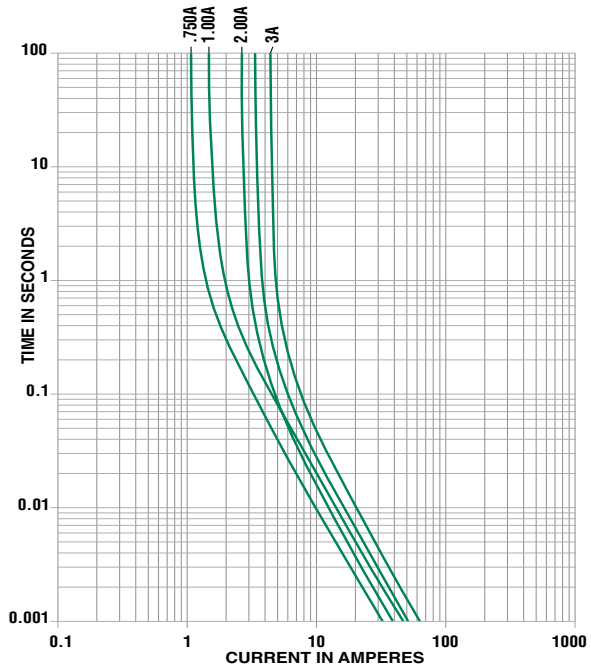
Temperature Rerating Curve



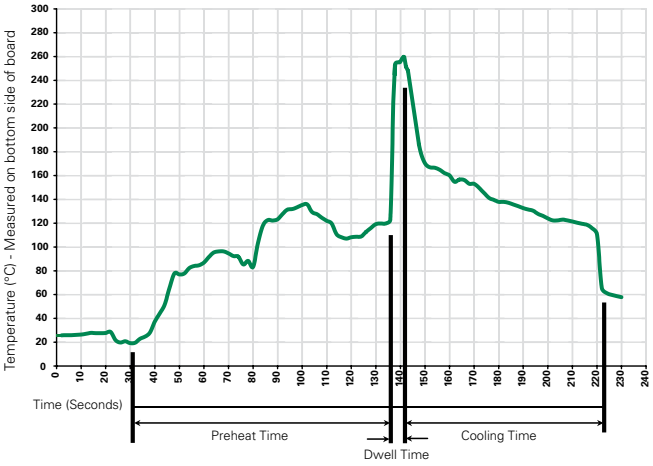
Note:

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

Average Time Current Curves



Soldering Parameters - Wave Soldering



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100° C
Temperature Maximum:	150° C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260° C Max
Solder Dwell Time:	2-5 seconds

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350° C +/- 5°C
Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.

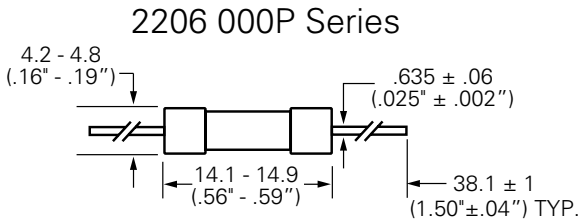
Revised: 07/30/18

Product Characteristics

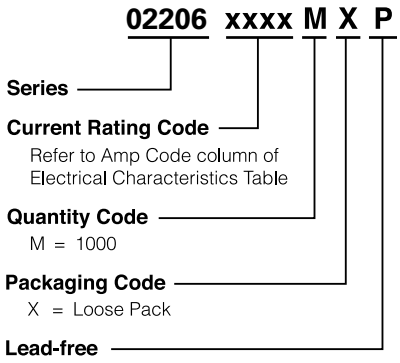
Materials	Body: Glass Cap : Nickel–plated brass Leads: Tin–plated Copper
Terminal Strength	MIL-STD-202, Method 211, Test Condition A
Solderability	MIL-STD-202 Method 208
Product Marking	Cap1 : Brand logo, current and voltage ratings Cap2 : Series and agency approval marks

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 RH (95%) and Elevated Temp (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
Bulk	N/A	100	HX	N/A
Bulk	N/A	1000	MX	N/A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

2206.750HXP 2206003P 2206003.HXP 2206001.MXP 2206001.HXP 2206002.MXP 2206003.MXP 2206002.HXP 2206.750MXP