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

- Recognized to UL/CSA/NMX 248-1 and UL/CSA/NMX 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

Agency Approvals

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

Applications

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

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

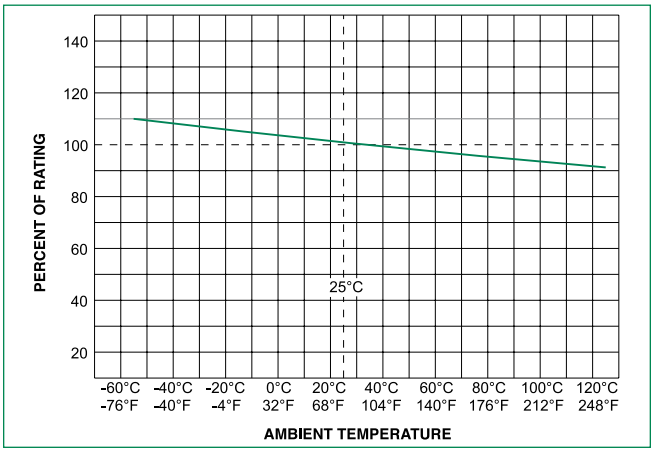
Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec)	Nom Voltage Drop (mV)	Nom Power Dissipation (W)	Agency Approvals		
0.75	.750	300	100A@300Vac 10KA@125Vac	0.1520	1.05	N/A	N/A	x	x	x
1	001.	300		0.1027	2.22	N/A	N/A	x	x	x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

Revised: GD. 11/10/20

Axial Lead & Cartridge Fuses

2AG > Fast-Acting > 2206 Series

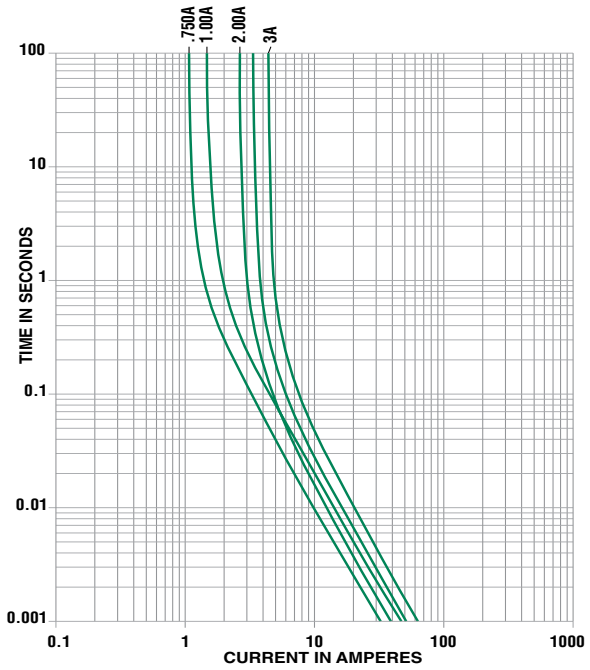
Temperature Rerating Curve



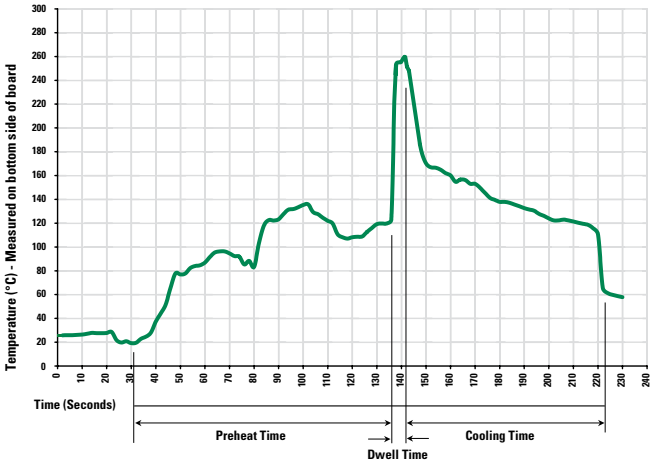
Note:

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.

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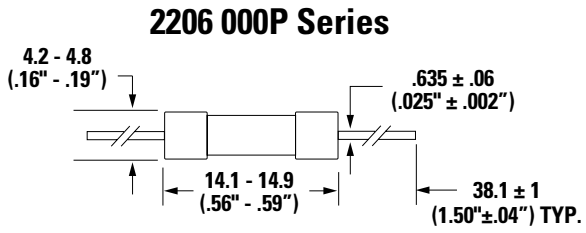
Product Characteristics

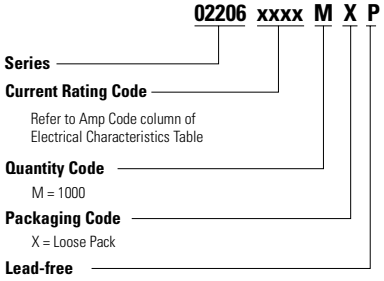
Materials	Body: Glass Cap : Nickel–plated brass Leads: Tin–plated Copper
Terminal Strength	MIL-STD-202, Method 211, Test Condition A
Solderability	MIL-STD-202 Method 208
Product Marking	Cap1 : Brand logo, current and voltage ratings Cap2 : Series and agency approval marks

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