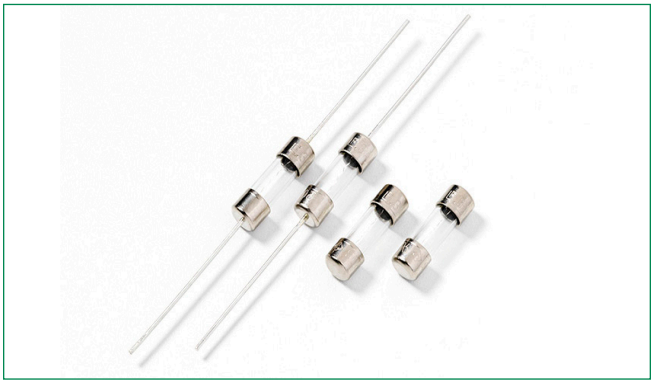
2205 Series, Lead-Free 2AG, Slo-Blo® Fuse



Description

The 2AG Slo-Blo® 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
c UL us	E10480	0.250A - 2.5A
CSA	29862	0.250A - 2.5A
CE	N/A	0.250A - 2.5A

Applications

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

Additional Information

Datasheet | Resources | Samples | Accessories

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
135%	1 hour, Maximum
200%	3 secs Min.; 20 secs Max.

Electrical Characteristic Specifications by Item

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec)	Agency Approvals		
						c UL us	CSA	CE
0.25	.250	250	35A @ 250VAC; 10KA @ 125VAC; 60A @ 600VAC	2.4300	0.334	x	x	x
0.35	.350	250		1.3100	0.490	x	x	x
0.375	.375	250		1.1685	0.83	x	x	x
0.5	.500	250		0.6935	1.63	x	x	x
0.75	.750	250		0.3430	3.91	x	x	x
1	001.	250		0.2120	5.64	x	x	x
1.25	1.25	250		0.1460	17.0	x	x	x
1.5	01.5	250		0.1077	20.8	x	x	x
2	002.	250		0.0698	40.0	x	x	x
2.5	02.5	250		0.0502	65.0	x	x	x

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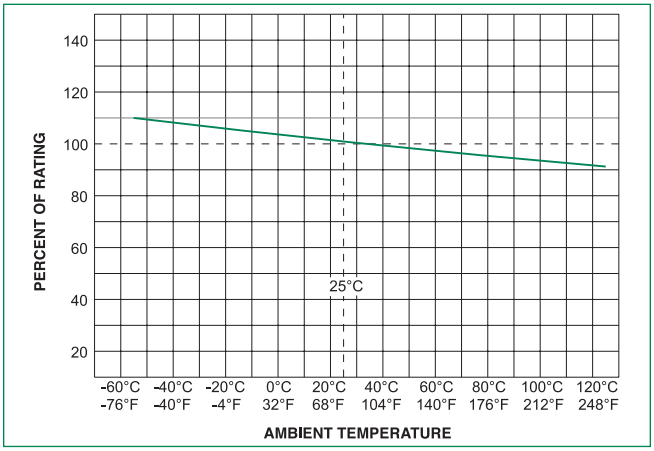
Axial Lead & Cartridge Fuses

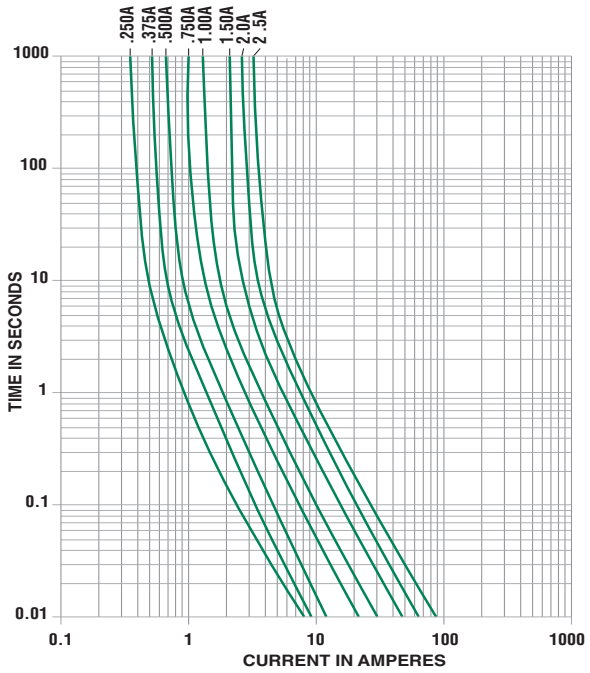
2AG > Slo-Blo® Fuse > 2205 Series

Temperature Re-rating Curve

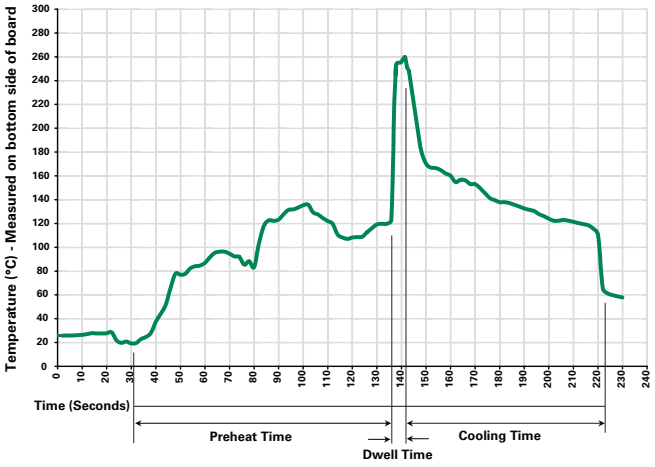


Note: Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



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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Axial Lead & Cartridge Fuses

2AG > Slo-Blo® Fuse > 2205 Series

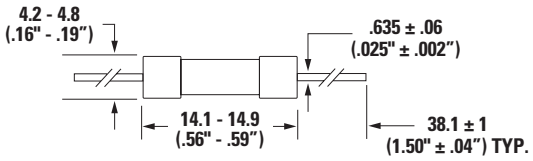
Product Characteristics

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

2205 000P Series



Part Numbering System

02206 xxxx M X P

Series

Current Rating Code

Refer to Amp Code column of
Electrical Characteristics Table

Quantity Code

M = 1000

Packaging Code

X = Loose Pack

Lead-free

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

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.

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