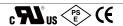


### RoHS Po

# 209 Series Lead-Free 2AG, Slo-Blo® (Time-Lag) Fuse





#### **Agency Approvals**

Agency	Agency File Number	Ampere Range
c <b>FL</b> °us	E10480	250mA - 1A
PSE	NBK210405-E10480 G/H	1A
Œ		250mA - 1A

#### **Description**

Littelfuse 209 Series (2AG) 350V, Time-Lag (Slo-Blo®) Fuses are available in cartridge form or with axial leads. This series provides the same performance characteristics as its 3AG counterpart, while occupying one-third the space. Sleeved fuses are available.

#### **Features**

- In accordance with Underwriter's Laboratories Standard UL 248-14
- Available in cartridge and axial lead form and
- with various forming dimensions
- RoHS compliant and Lead-free

#### **Applications**

• Electronic Lighting Ballasts

#### **Electrical Characteristics for Series**

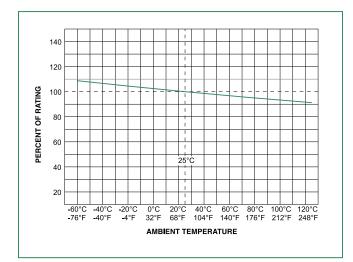
% of Ampere Rating	Opening Time
100%	4 Hours, <b>Min</b> .
135%	1 Hour, <b>Max.</b>
200%	3 Sec. <b>Min.</b> ; 20 Sec. <b>Max</b> .

#### **Electrical Characteristic Specifications by Item**

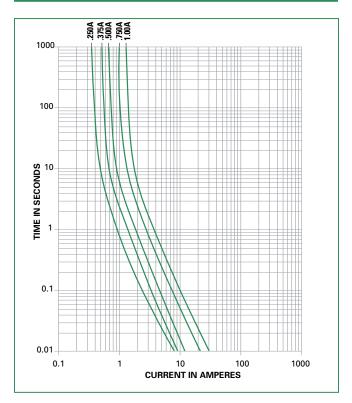
•		Voltage	1	Nominal Cold Nominal		А	gency Approva	ls
Amp Code			c <b>71</b> 2 us	PS E	Œ			
.250	0.25	350	100A @ 350Vac	2.410	0.216	х		Х
.375	0.375	350		1.170	0.580	×		X
.500	0.5	350		0.688	1.160	х		х
.600	0.6	350		0.477	1.750	×		×
.750	0.75	350		0.340	2.950	×		×
.800	0.8	350		0.304	3.450	х		х
001.	1	350		0.210	5.640	X	Х	х



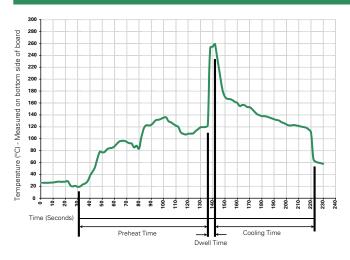
#### **Temperature Rerating Curve**



#### **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 Maximum		
Solder DwellTime:	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.



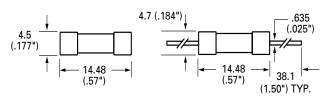
#### **Product Characteristics**

	Body: Glass	
Materials	Cap : Nickel–plated brass	
	Leads: Tin-plated Copper	
Towning Ctuonath	MIL-STD-202G, Method 211A,	
Terminal Strength	Test Condition A	
Solderability	Reference IEC 60127 Second Edition	
Solderability	2003-01 Annex A	
	Cap1 : Brand logo, current and voltage	
Product Marking	ratings	
	Cap2: Series and agency approval marks	

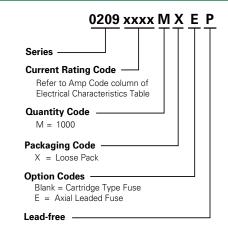
Operating Temperature:	−55°C to 125°C.
Thermal Shock:	MIL-STD-202G, Method 107G, Test Condition B (5 Cycles -65°C to +125°C).
Vibration	MIL-STD-202G, Method 201A
Humidity	MIL-STD-202G, Method 103B, Test Condition A: High RH (95%) and elevated temp (40°C) for 240 hours
Salt Spray	MIL-STD-202G, Method 101D, Test Condition B

#### **Dimensions**

## **209** 000P **Series 209** 000EP **Series**



#### **Part Numbering System**



#### **Packaging**

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width		
209 Series						
Bulk	N/A	1000	MX	N/A		
Bulk	N/A	1000	MXE	N/A		
Reel and Tape	EIA 296-E	1500	DRT1	T1=52mm (2.062")		

