### Axial Lead & Cartridge Fuses 2AG > Fast-Acting > 208 Series

ROHS 9 208 Series Lead-Free 2AG, Fast-Acting Fuse

# 



.ittelfuse

Expertise Applied | Answers Delivered

Agency Approvals			
Agency	Agency File Number	Ampere Range	
c <b>FL</b> <sup>°</sup> us	E10480	125mA - 10A	
PS E	NBK200405-E10480 C/D NBK060405-E10480 E/F	1A - 5A 6A - 10A	
Œ		125mA - 10A	

### Description

Littelfuse 208 Series (2AG) 350V Fast-Acting 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 lead forming dimensions
- RoHS compliant and Lead-free

#### Applications

Electrical ballasts used in fluorescent lighting and other applications

Electrical Characteristics for Series			
% of Ampere Rating	Opening Time		
100%	4 Hours, <b>Min.</b>		
135%	1 Hour, <b>Max</b> .		
200%	1 Second, <b>Max</b> .		

Electrical Characteristic Specifications by Item									
Amp Code Amp		Voltage Rating	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec)	Agency Approvals			
	Amp Rating					c Nus	PS E	CE	
.125	0.125	350		3.900	0.00286	х		Х	
.250	0.250	350		1.150	0.0300	x		x	
.375	0.375	350		0.395	0.171	х		x	
.500	0.500	350		0.265	0.365	x		x	
.750	0.750	350	100A @ 350V AC	0.152	1.050	х		x	
001.	1.0	350		0.103	2.220	x	x	x	
01.5	1.5	350		0.0712	0.800	х	x	×	
002.	2.0	350		0.0497	1.50	x	x	х	
02.5	2.5	350		0.0372	2.68	x	x	x	
003.	3.0	350		0.0317	4.62	x	x	x	
03.5	3.5	350		0.0265	6.70	x	x	x	
004.	4	350		0.0240	9.40	х	x	x	
005.	5	350		0.0186	17.00	х	x	x	
006.	6	350		0.0154	22.10	x	x	х	
007.	7	350		0.0130	40	x	x	х	
008.	8	350		0.0107	56	x	x	x	

10

350

010.

0.0075

116

х

х

х

## **Axial Lead & Cartridge Fuses**

2AG > Fast-Acting > 208 Series



#### **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 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-202G, Method 211A, Test Condition A		
Solderability	Reference IEC 60127 Second Edition 2003-01 Annex A		
Product Marking	Cap1 : Brand logo, current and voltage ratings Cap2 : Series and agency approval marks		

4.7 (.184")

208 000EP Series

14.48 (.57") .635

(.025")

38.1

(1.50") TYP.

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

#### Part Numbering System



Lead-free -

### Packaging

Dimensions

4.7 (.184") 208 000P Series

14.48 (.57")

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width	
208 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")	

