

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




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

Agency Approvals

Agency	Agency File Number	Ampere Range
	E10480	250mA-7A
	NBK210405-E10480G/H NBK210405-E10480C/D NBK210405-E10480E/F	1A-7A
		250mA-7A




Applications

- Electronic Lighting Ballasts

Electrical Characteristics for Series

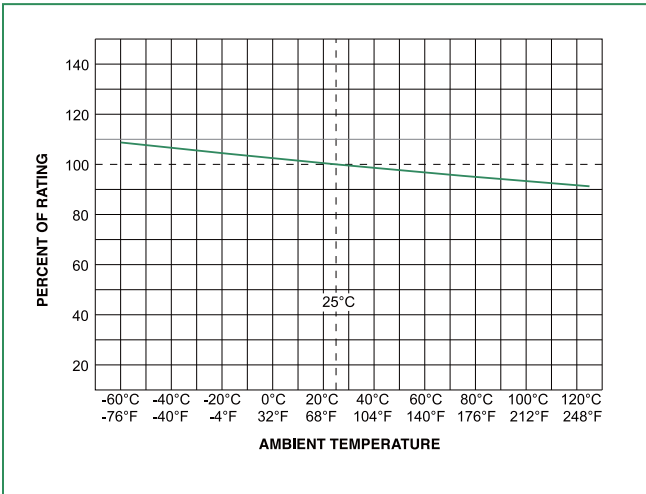
% of Ampere Rating	Opening Time
100%	4 Hours, Min.
135%	1 Hour, Max.
200%	3 Sec. Min. ; 20 Sec. Max.

Electrical Characteristic Specifications by Item

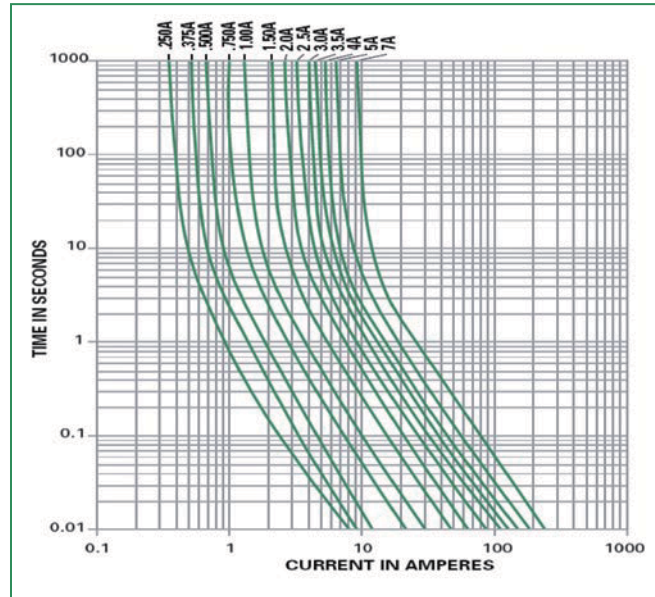
Amp Code	Ampere Rating (A)	Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec)	Agency Approvals		
								
.250	0.25	350	100A @ 350Vac	2.410	0.216	x		x
.375	0.375	350		1.170	0.580	x		x
.500	0.5	350		0.688	1.160	x		x
.600	0.6	350		0.477	1.750	x		x
.750	0.75	350		0.340	2.950	x		x
.800	0.8	350		0.304	3.450	x		x
001.	1	350		0.210	5.640	x	x	x
1.25	1.25	350		0.1460	9.80	x	x	x
01.5	1.5	350		0.1077	15.0	x	x	x
002	2	350		0.0689	30.0	x	x	x
2.25	2.25	350		0.0567	39.0	x	x	x
02.5	2.5	350		0.0502	50.0	x	x	x
003	3	350		0.0383	77.0	x	x	x
03.5	3.5	350		0.0312	110	x	x	x
004	4	350		0.0258	148	x	x	x
005	5	350		0.0186	267	x	x	x
006	6	350		0.0141	380	x	x	x
007	7	350	0.0116	464	x	x	x	

209 Series

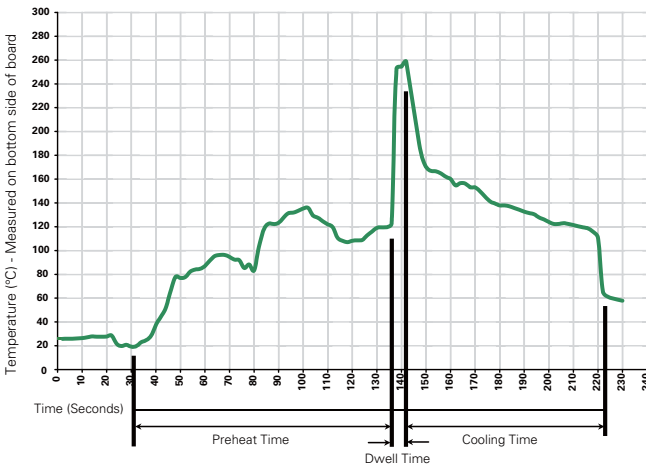
Temperature Derating Curve



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.

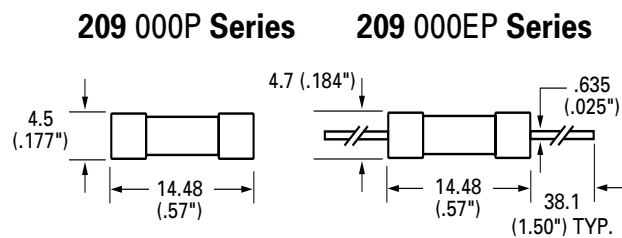
Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

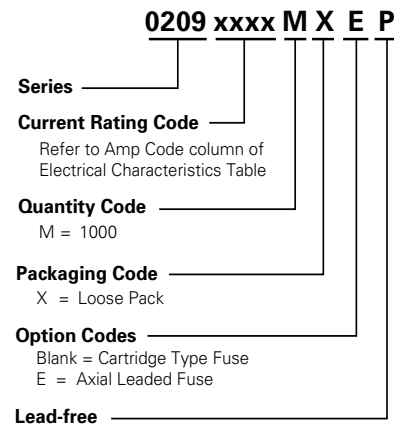
Materials	Body : Glass Cap : Nickel-plated brass Leads: Tin-plated Copper
Terminal Strength	MIL-STD-202G, Method 211A, Test Condition A
Solderability	Reference IEC 60127 Second Edition 2003-01 Annex A
Product Marking	Cap1 : Brand logo, current and voltage ratings Cap2 : Series and agency approval marks

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



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")

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Cartridge Fuses](#) category:

Click to view products by [Littelfuse](#) manufacturer:

Other Similar products are found below :

[MBO-20](#) [MDA-V-1/100](#) [12C10X38GI](#) [AGA-V-2-1/2](#) [AGC-V-3-12-R](#) [AGY-50](#) [MSL-3](#) [MSL-4](#) [MSL-5](#) [BK1/C436-2A](#) [BK1-GMA-1-6-R](#)
[BK1-GMA-200-R](#) [BK1GMA-6-R](#) [BK1/GMC-100-R](#) [BK1/GMC-1.5-R](#) [BK1-GMC-2-5-R](#) [BK1GMD-4-R](#) [BK1S500-250-R](#) [BK1S500-32-R](#)
[BK1-S500-4-R](#) [BK1S500-5-R](#) [BK1-S505-1-R](#) [BK1-S506-2-R](#) [BK1-S506-3-15-R](#) [BK1/S506-63-R](#) [BK/ABC-5RX](#) [BK/AGW-B-4](#) [BK/AVX-](#)
[1/4](#) [BK/C515S-250-R](#) [BK/MBO-20](#) [BK/MBO-8](#) [BK/MDM-3/4](#) [BK-MDQ-4](#) [BK/S505-V-2.5A](#) [BK/TDC120-15](#) [BK/TDC120-20](#)
[BK/TDC122-45](#) [BP/MDL-7](#) [1C10X38AM](#) [S505-V-500MA](#) [SEF-1697-1-002](#) [AGA-V-7-1/2](#) [AGC-15WX](#) [AGC-2-1-2-R](#) [20.0M6.3X32F](#)
[20C8X32GI](#) [GMC-50-R](#) [361.250](#) [MBO-8](#) [TDC121-30](#)