ROHS 10 209 Series Lead-Free 2AG, Slo-Blo (Time Lag) Fuse





📶 Littelfuse

Agency Approvals				
Agency	Agency File Number	Ampere Range		
LR _®	E10480	250mA - 1A		
PS E	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
- Fuses are boardwashable in most solvents
- 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	OpeningTime
100%	4 hours, Minimum
135%	1 hour, Maximum
200%	3 secs., Min; 20 secs., Max

Electrical Characteristic Specifications by Item										
Amp Code (,	Ampere	Max Voltage	Interrupting	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec)	Nom Voltage Drop (mV)	Nom Power Dissipation (W)	Agency Approvals		
	(A)	Rating (V)	Rating					. 71		CE
.250	0.25	350	100A @ 350Vac	2.410	0.216	N/A	N/A	Х		х
.375	0.375	350		1.170	0.580	N/A	N/A	Х		х
.500	0.5	350		0.688	1.160	N/A	N/A	Х		Х
.600	0.6	350		0.477	1.750	N/A	N/A	Х		Х
.750	0.75	350		0.340	2.950	N/A	N/A	Х		Х
.800	0.8	350		0.304	3.450	N/A	N/A	х		х
001	1	350		0.210	5.640	N/A	N/A	х	x	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:	280° 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

Materials	Body : Glass Cap : Nickel Plated Brass		
T. I. I. O	MIL-STD-202G Method 211A.		
lerminal Strength	Test Condition A		
Solderability	Reference IEC60127 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.
Terminal 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 relative humidity (95%) and elevated temperature (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



Option Codes Blank = Cartridge Type Fuse E = Axial Leaded Fuse

Packaging

Packaging Option	Quantity	Lead Type	Quantity & Option Code
209 Series			
Bulk	1000	Cartridge	MX
Bulk	1000	Axial Leads	MXE