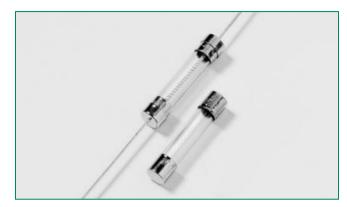
ROHS 9 388 Series Lead-Free 3AG, METI B Fuse

.ittelfuse

Expertise Applied | Answers Delivered





Agency Approvals					
Agency	Agency File Number	Ampere Range			
PS E	NBK131107-JP1021A NBK010207- JP1021A/B/C/D	1A - 30A			
\bigcirc	SU05001-8001 SU05001-7001/2/3/4	3A - 6A 7A/10A - 30A			
Œ		1A - 30A			

Description

The Littelfuse 388 Series is a 3AG size fuse that solves a broad range of application requirements while offering reliable performance and cost-effective circuit protection.

Features

- Designed to Japanese Standard JIS C6575
- Available in cartridge and axial lead form and various forming demensions
- RoHS compliant and Lead-free
 - nt and dem

Applications

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

Electrical Characteristics for Series

% of Ampere Rating	OpeningTime
130	1 Hour, Minimum
160	1 hour, Maximum
200	120 seonds, Maximum

Electrical Characteristic Specifications by Item								
Amp Code Amp Rating			Nominal	Nominal	Agency Approvals			
		Voltage Rating	Breaking Capacity		Melting 2T (A2Sec.)	PS E	Ś	CE
001.	1	250		0.1651	0.800	x		x
01.5	1.5	250		0.0845	2.680	×		x
002.	2	250	-	0.0522	7.200	x		x
02.5	2.5	250		0.0375	9.540	x		x
003.	3	250		0.0313	22.10	x	x	×
004.	4	250		0.0239	28.50	×	x	x
005.	5	250	-	0.0184	66.10	x	x	x
006.	6	250		0.0140	116.0	×	×	x
007.	7	250	100A @ 250Vac	0.0127	118.0	×	x	x
008.	8	250		0.0109	166.0	×		x
009.	9	250		0.0082	298.0	x		x
010.	10	250		0.0072	234.6	x	x	x
012.	12	250		0.0052	490.5	x	x	x
015.	15	250		0.0042	1029	x	x	×
020.	20	250		0.0029	2041	×	x	×
025.	25	250		0.0019	3717	x	x	×
030.	30	250		0.0013	7531	×	x	x

¹ Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered.

p = pending

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

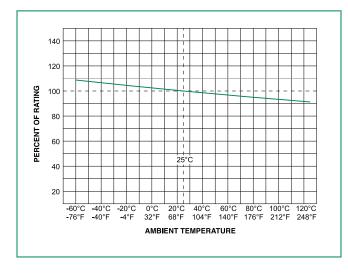
Axial Lead & Cartridge Fuses

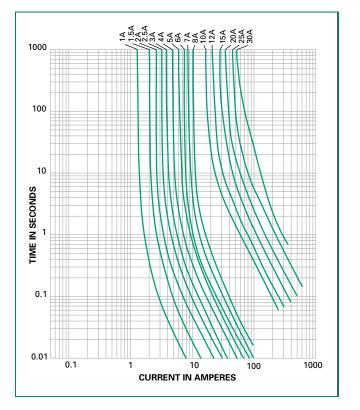
3AG METI B Fuse 388 Series



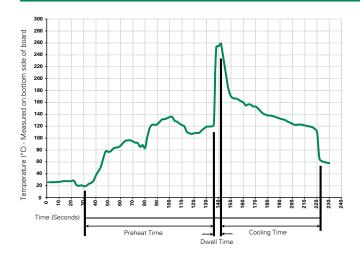
Temperature Rerating Curve

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.**



Axial Lead & Cartridge Fuses 3AG METI B Fuse 388 Series

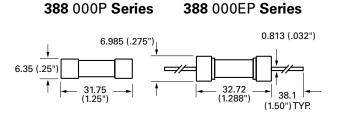
Product Characteristics

Dimensions (mm)

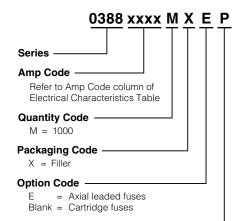
Materials	Body: Glass End Caps: Nickel-plated brass Leads: Tin-plated Copper		
Terminal Strength	MIL-STD-202G, Method 211A, Test Condition A		
Solderability	Reference IEC 60127 Second Edition 2003-2001 Annex A		
Product Marking	Cap1: Cap2:	Brand logo, current and voltage ratings Series and agency approval marks	

Operating Temperature	-55°C to +125°C (consider de-rating)		
Thermal Shock	MIL-STD-202G Method 107 G, Test conditon B:(5 cycles - 65°C to 125°C)		
Vibration	MIL-STD-202G, Method 201A		
Humidity	MILSTD-202G, Method 103B, Test Condition A: High RH (95%) and Elevated temperature (40°C) for 240 hours		
Salt Spray	MIL-STD-202G, Method 101D, Test Condition B		

Part Numbering System



Axial Lead Material: Tin coated copper.



Lead-free -

Packaging							
Packaging Option Packaging Specification		Quantity	Quantity & Packaging Code	Reel Size			
388 Series							
Bulk	N/A	1000	MX	N/A			
Bulk	N/A	1000	MXE	N/A			