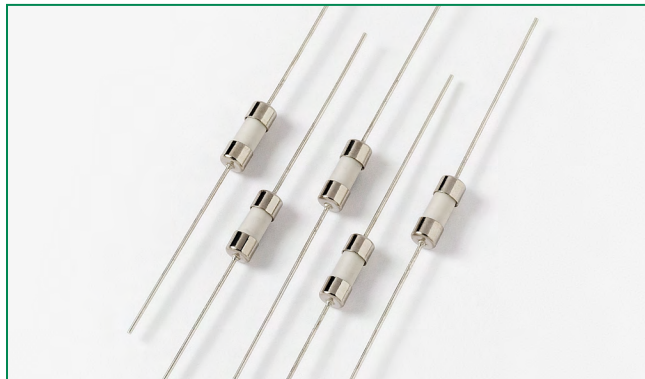


# Axial Lead & Cartridge Fuses

## 3.6 X 10 mm > Fast-Acting Fuse > 876 Series

### 876 Series Fuse, Lead-free 3.6×10 mm, Fast-Acting Fuse



#### Description

Single Pigtail Axial Lead 3.6 × 10mm Fast-Acting Fuse

#### Features

- Designed to meet IEC 60127-3 Standard Sheet 3
- Fast-Acting, ceramic body fuse in a compact package
- Single Pigtail Axial Lead format
- Pb-free, RoHS compliant
- Available in ratings of .125 to 5 Amperes

#### Agency Approvals

Agency	Agency File Number	Ampere Range
	40022494	0.125A, 0.630A - 5A
	E10480	0.125A - 5A
	NBK240212-JP1021	1.6A - 5A
	SU05024-11001	0.125A - 0.630A
	SU05024-11002	1.6A - 2A
	SU05024-11003	4A - 5A
	CQC09012035958	0.125A - 5A

#### Applications

- This space saving fuse is ideally suited for lighting, power supply, and adapter applications.

#### Electrical Characteristics

% of Ampere Rating	Opening Time
150%	60 minutes, Minimum
210%	30 minutes, Maximum
275%	10 ms., Min.; 3 sec. Max.
400%	3 ms., Min.; 300 ms. Max.
1000%	20 ms. Max.

#### Additional Information



Datasheet



Resources



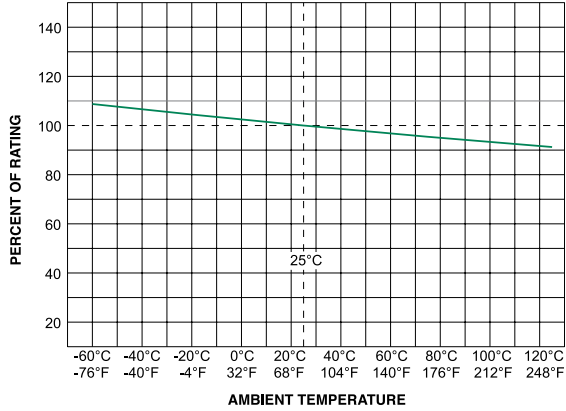
Samples

#### Electrical Characteristics

Amp Code	Ampere Rating (A)	Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec)	Nominal Voltage Drop (mV)	Nominal Power Dissipation (mW)	Agency Approvals				
.125	0.125	250	35A @ 250 V AC	1.066	0.020	168	60	x	x		x	x
.160	0.160	250	35A @ 250 V AC	1.000	0.028	183	92		x		x	x
.250	0.250	250	35A @ 250 V AC	0.573	0.110	87	62		x		x	x
.630	0.630	250	35A @ 250 V AC	0.131	0.170	102	221	x	x		x	x
01.6	1.6	250	35A @ 250 V AC	0.0388	1.8	70	382	x	x	x	x	x
002.	2.0	250	35A @ 250 V AC	0.0329	2.51	70	470	x	x	x	x	x
004.	4.0	250	40A @ 250 V AC	0.0149	14.64	70	985	x	x	x	x	x
005.	5.0	250	50A @ 250 V AC	0.0111	26.85	66	1200	x	x	x	x	x

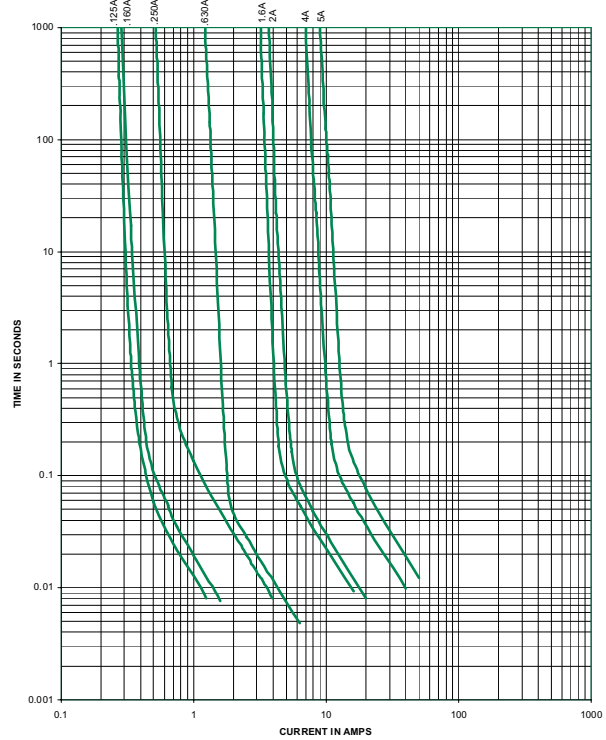
Notes:  
Cold resistance measured at less than 10% of rated current at 23°C.

## Temperature Re-rating Curve

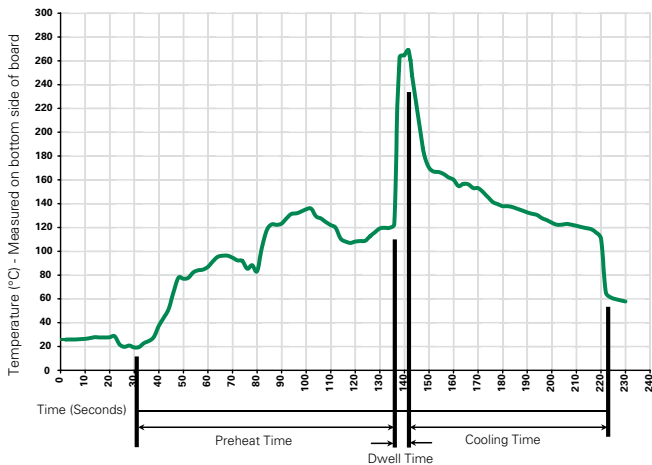


Note:  
Derating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

## Average Time Current Curves



## Soldering Parameters - Wave Soldering



### Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
<b>Preheat:</b>	
(Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180 seconds
<b>Solder Pot Temperature:</b>	260°C Maximum
<b>Solder Dwell Time:</b>	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

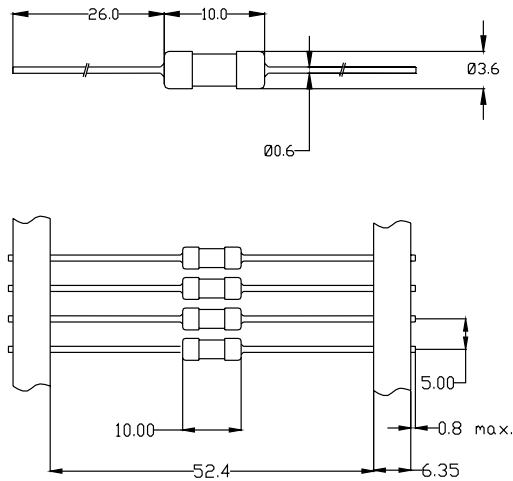
## 3.6 X 10 mm > Fast-Acting Fuse > 876 Series

### Product Characteristics

<b>Materials</b>	Body: Ceramic Cap: Nickel Plated Brass Tin Plated Copper
<b>Terminal Strength</b>	MIL-STD-202 Method 211, Test Condition A
<b>Solderability</b>	Reference IEC 60127 Second Edition 2003-01 Annex A
<b>Product Marketing</b>	Body: Brand Logo, Current Rating Characteristic "F";
<b>Packaging</b>	Bulk (1000 pcs/pkg) Tape & Reel (1000 pcs/reel)

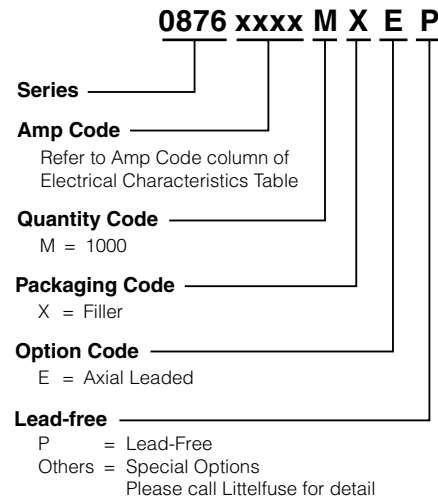
<b>Operating Temperature</b>	-55°C to 125°C
<b>Thermal Shock</b>	MIL-STD-202, Method 107 Test Condition B3 (5 cycles -65°C to +125°C)
<b>Vibration</b>	MIL-STD-202, Method 201 (10-55 Hz)
<b>Humidity</b>	MIL-STD-202, Method 106, High Humidity (90-98%RH), Heat (65°C)
<b>Salt Spray</b>	MIL-STD-202, Method 101, Test Condition B

### Dimensions



All dimensions in mm

### Part Numbering System



### Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
<b>876 Series</b>				
Bulk	Bulk	1000	MXE	N/A
Tape and Reel	EIA 296	1000	MRET1	T1 = 52mm ( 2.062")