# **Axial Lead & Cartridge Fuses** 3.6 X 10 mm > Fast-Acting > 776 Series

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











## **Description**

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

# **Features**

- Fast-Acting, ceramic body fuse in a compact package
- Designed to meet IEC 60127-7
- Single Pigtail Axial Lead format
- Lead-free, RoHS compliant

#### **Agency Approvals**

Agency Agency File Number  C \$\infty\$ E10480		Ampere Range
		2.12A
<u> </u>	R 50294363	2.12A
Cec	CQC14012116342	2.12A

## **Applications**

- Lighting
- Power supply

• Power adapters

## **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.		

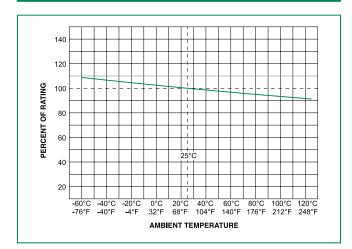
# **Electrical Characteristics**

Amp	Ampere	Voltage	Interrupting	upting Cold Nominal Nominal Voltage	I Nominal I Nominal I	Nominal Power	Agency Approvals			
Code Rating (A)	Rating (A)	Rating (V)	Rating				Dissipation (mW)	<u>A</u>	c <b>'AL</b> °us	œc
2.12	2.12	250	100A @ 250 V AC	0.0285	3.00	76.0	480.0	х	х	×

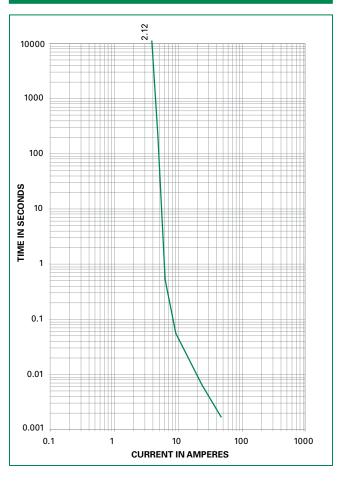
Cold resistance measured at less than 10% of rated current at 25°C.



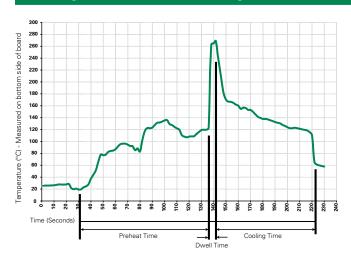
## **Temperature Rerating Curve**



# **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 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.

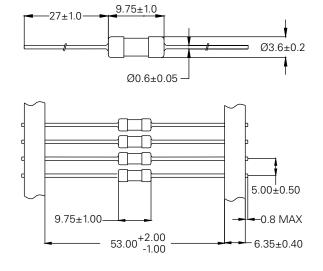
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## **Product Characteristics**

Materials	Body: Ceramic Cap: Nickel Plated Brass Leads: Tin Plated Copper	
Terminal Strength	MIL-STD-202 Method 211, Test Condition A	
Solderability	Reference MIL-STD-202 method 208	
Product Marking	Cap: Brand Logo, Current and Voltage Ratings, Characteristic "F"	

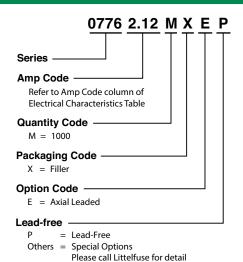
Operating Temperature	-55°C to 125°C	
Thermal Shock	MIL-STD-202, Method 107 Test Condition B	
Vibration	MIL-STD-202, Method 201	
Moisture Resistance	MIL-STD-202, Method 103, Test Condition A	
Salt Spray	MIL-STD-202, Method 101, Test Condition B	

## **Dimensions**



All dimensions in mm

# **Part Numbering System**



# Packaging

Packaging Option	Packaging Specification	Quantity	Quantity and Packaging Code	Taping Width				
776 Series								
Bulk	Bulk	1000	MXE	N/A				
Tape and Reel	EIA 296	1000	MRET1	T1 = 53mm				