# **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	Ampere Range		
c <b>FL</b> °us	E10480	2.12A		
$\triangle$	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.		

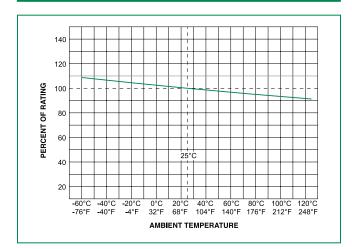
### **Electrical Characteristics**

Amp	Ampere	Ampere Voltage Rating Rating (A) (V)	Interrupting Rating	Cold	Nominal Melting I²t (A² sec)	Nominal Voltage Drop (mV)	Nominal Power Dissipation (mW)	Agency Approvals		
Code								<u>A</u>	c <b>FL</b> °us	œc
2.12	2.12	250	100A @ 250 V AC	0.0285	3.00	76.0	480.0	х	х	Х

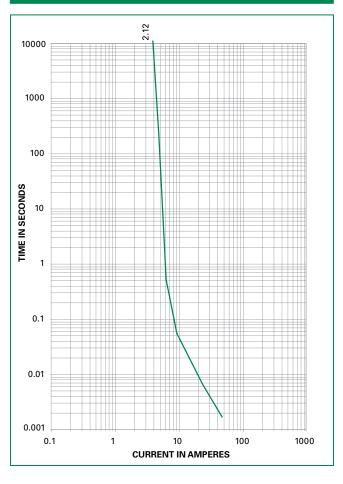
Cold resistance measured at less than 10% of rated current at 25°C.



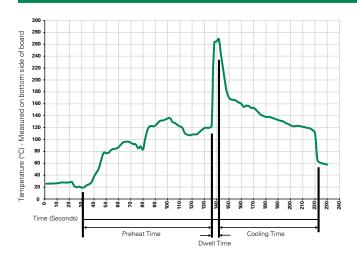
#### **Temperature Rerating Curve**



# **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 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.

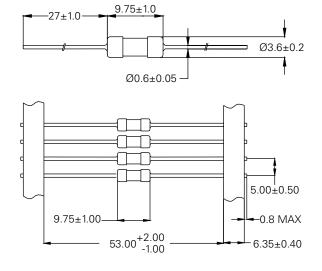
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#### **Product Characteristics**

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"	

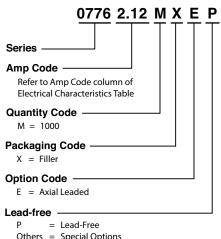
Operating Temperature	-55°C to 125°C	
Thermal Shock	MIL-STD-202, Method 107 Test Condition B	
Vibration	MIL-STD-202, Method 201	
Moisture Resistance	MIL-STD-202, Method 103, Test Condition A	
Salt Spray	MIL-STD-202, Method 101, Test Condition B	

#### **Dimensions**



All dimensions in mm

# **Part Numbering System**



Others = Special Options
Please call Littelfuse for detail

# **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				