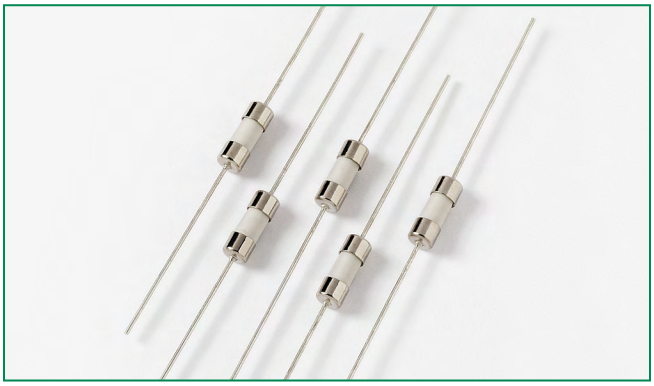
877 Series Fuse, Lead-free 3.6 × 10 mm, Time-Lag Fuse



Description

Single Pigtail Axial Lead 3.6×10mm, Time-Lag Fuse

Features

- Designed to meet IEC 60127-3 Standard Sheet 4
- Time-Lag, ceramic body fuse in a compact package
- Single Pigtail Axial Lead format
- Pb-free, RoHS compliant
- Available in ratings of 2 to 6.3 Amperes

Agency	Agency File Number	Ampere Range
VDE	40023242	2A – 6.3A
c UL us	E10480	2A – 6.3A
CQC	CQC09012029601	2A – 6.3A
KC	SU05024-10002	2A
	SU05024-10001	3.15A - 6.3A
PS E	NBK240212-JP1021	2A – 4A

Applications

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

Additional Information

Datasheet | Resources | Samples

Electrical Characteristics

% of Ampere Rating	Opening Time
150%	60 minutes, Minimum
210%	2 minutes, Maximum
275%	400 ms., Min.; 10 sec. Max.
400%	150 ms., Min.; 3 sec. Max.
1000%	20 ms. Min.; 150 ms. Max.

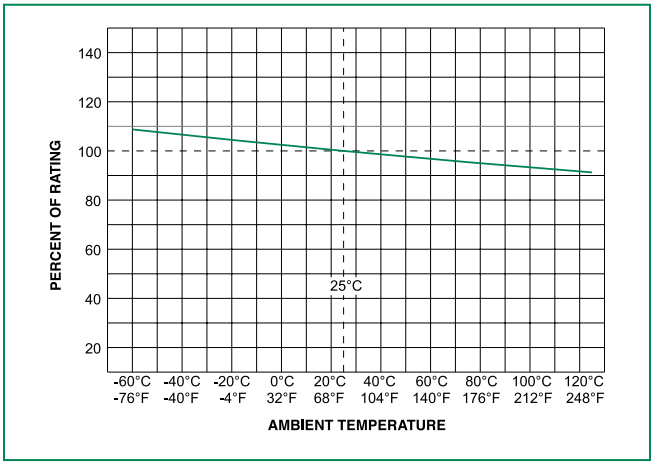
Electrical Characteristics

Amp Code	Ampere Rating (A)	Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec)	Nominal Voltage Drop (mV)	Nominal Power Dissipation (mW)	Agency Approvals				
								VDE	c UL us	PS E	KC	CQC
002.	2.0	250	35A @ 250 V AC	0.035	24.6	82	450	x	x	x	x	x
3.15	3.15	250	35A @ 250 V AC	0.020	67.6	76	690	x	x	x	x	x
004.	4.0	250	40A @ 250 V AC	0.0167	143.4	74	926	x	x	x	x	x
06.3	6.3	250	63A @ 250 V AC	0.0087	190	60	1130	x	x		x	x

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

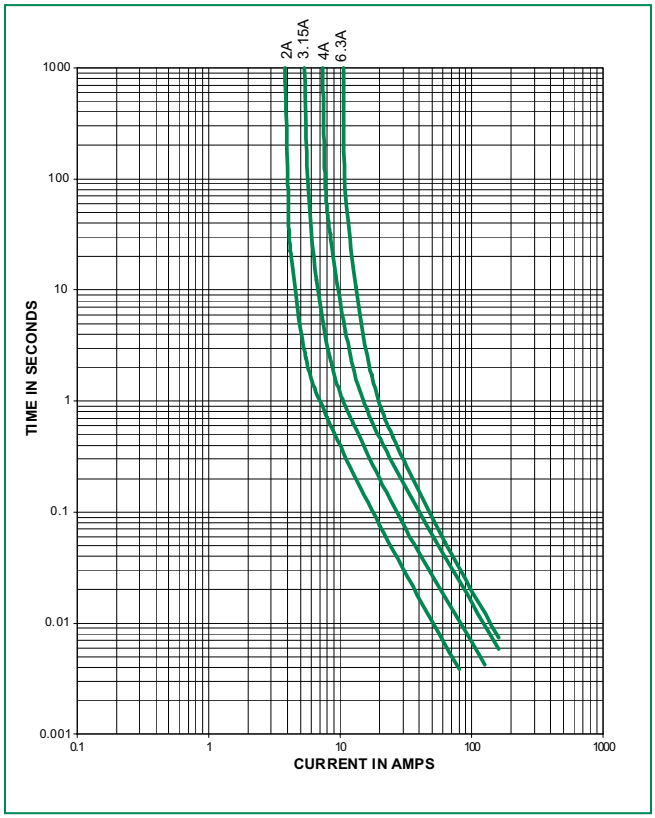
Revised: 05/12/15

Temperature Re-rating Curve

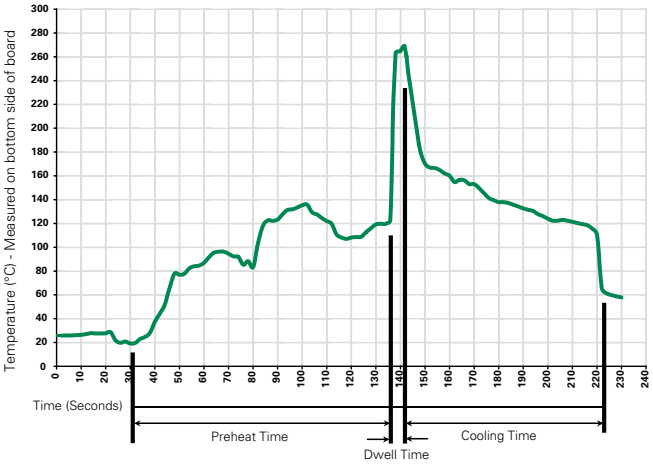


Note:
1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters - Wave Soldering



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
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.

Revised: 05/12/15

Axial Lead & Cartridge Fuses

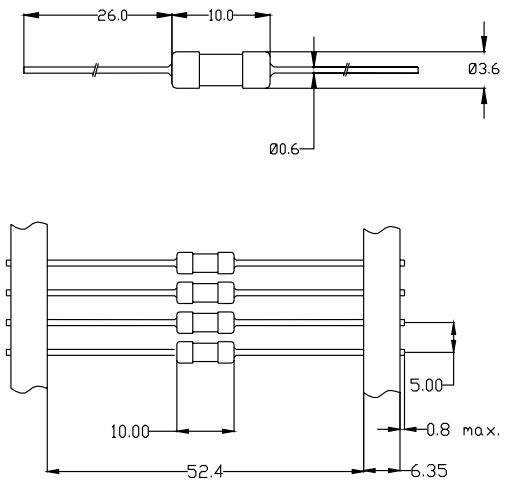
3.6 X 10 mm > Time-Lag Fuse > 877 Series

Product Characteristics

Materials	Body: Ceramic Cap: Nickel Plated Brass Tin Plated Copper
Terminal Strength	MIL-STD-202, Method 211, Test Condition A
Solderability	MIL-STD-202, Method 208
Product Marketing	Body: Brand Logo, Current Rating Characteristic "T," Agency approval marks
Packaging	Bulk (1000 pcs/pkg) Tape and Reel (1000 pcs/reel)

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

Dimensions



All dimensions in mm

Part Numbering System

0877 xxxx M X E P

Series

Amp Code
Refer to Amp Code column of Electrical Characteristics Table

Quantity Code
M = 1000

Packaging Code
X = Filler

Option Code
E = Axial Leaded

Lead-free
P = Lead-Free
Others = Special Options
Please call Littelfuse for detail

Packaging

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

Revised: 05/12/15