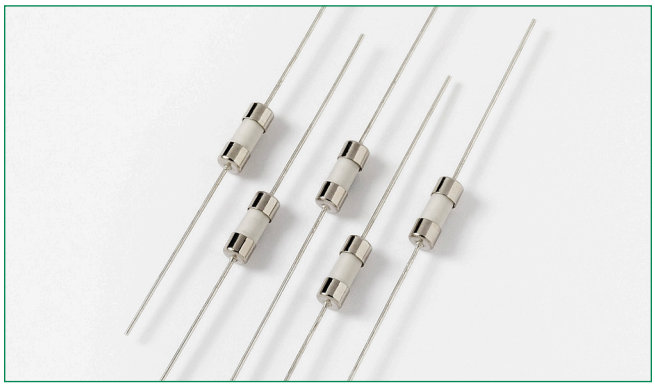
876 Series Fuse, Lead-free 3.6×10 mm, Fast–Acting Fuse



Description

The 876 Series is a single pigtail, axial leaded, 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
VDE	40022494	0.125A, 0.630A - 5A
cULus	E10480	0.125A - 5A
PSE	NBK240212-JP1021	1.6A - 5A
KC	SU05024-11001	0.125A - 0.630A
	SU05024-11002	1.6A - 2A
	SU05024-11003	4A - 5A
CCC	2020970207000060	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 (Ω)*	Nominal Melting I²t (A² sec)	Nominal Voltage Drop (mV)	Nominal Power Dissipation (mW)	Agency Approvals				
								VDE	cULus	PSE	KC	CCC
.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 23ºC.

** Interrupting Rating may differ based on Agency Approval. See Agency Approval certificate for more details.

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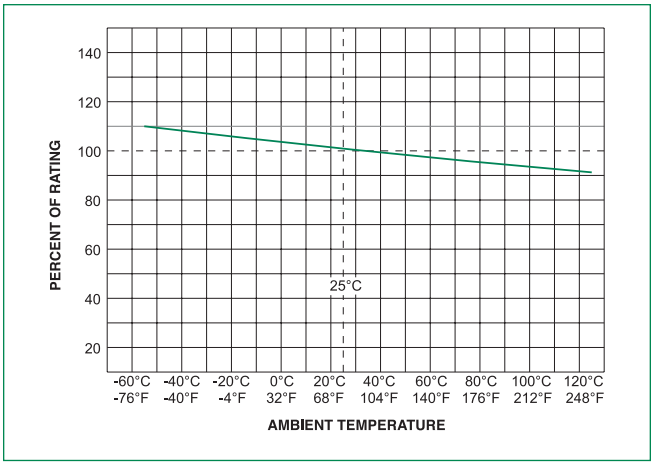
Axial Lead & Cartridge Fuses

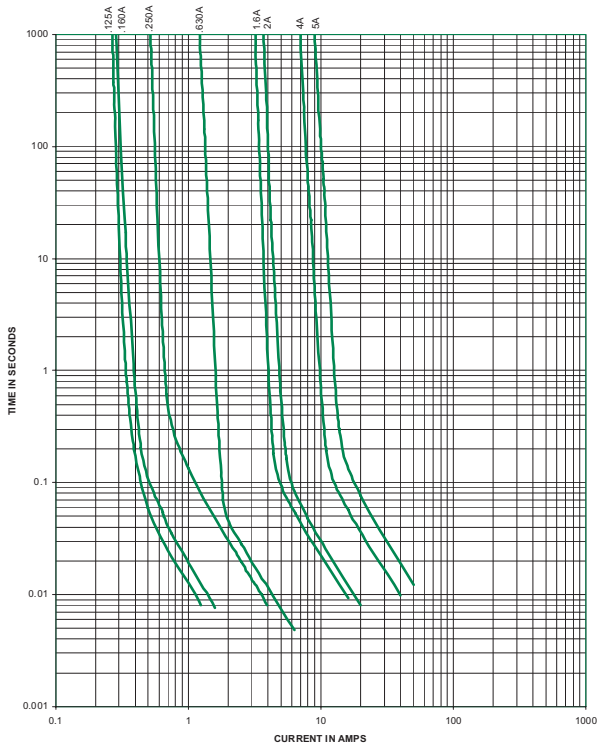
3.6 X 10 mm > Fast-Acting Fuse > 876 Series

Temperature Re-rating Curve

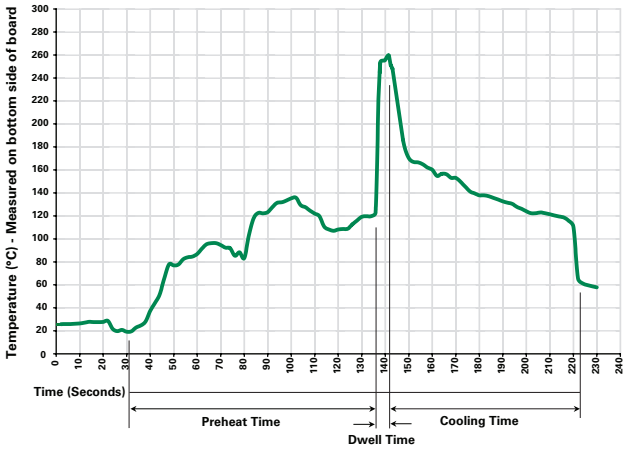


Note:
Rerating depicted in this curve is in addition to the standard derating of 25% for ontinuous operation.

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: GD. 11/06/20

Littelfuse
Expertise Applied | Answers Delivered

Axial Lead & Cartridge Fuses

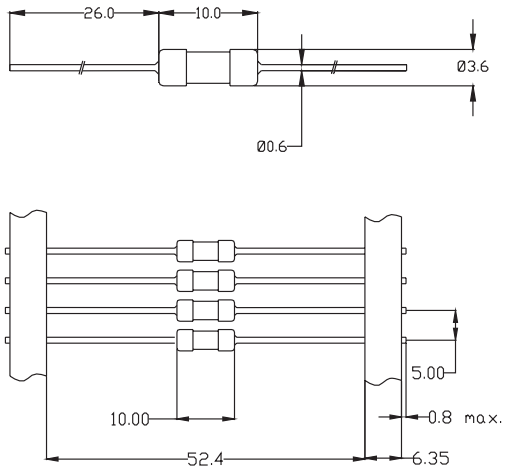
3.6 X 10 mm > Fast-Acting Fuse > 876 Series

Product Characteristics

Materials	Body: Ceramic Cap: Nickel Plated Brass Tin Plated Copper
Terminal Strength	MIL-STD-202 Method 211, Test Condition A
Solderability	IEC 60127-2, Annex A
Product Marketing	Body: Brand Logo, Current Rating Characteristic "F",
Packaging	Bulk (1000 pcs/pkg) Tape & 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

0876 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
876 Series				
Bulk	Bulk	1000	MXE	N/A
Tape and Reel	EIA 296	1000	MRET1	T1 = 52mm (2.062")