

446/447 Series EBF Fuse Fast-Acting



Agency Approvals				
Agency	Agency File Number	Ampere Range		
91	E71611	2A - 10A		
() ()	29862	2A - 10A		

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
200%	0.15 sec. Min.; 5 sec. Max.

Additional Information



Datasheet 446 Series



Datasheet 447 Series

Electrical Specifications by Item



Resources 447 Series



446 Series



Samples 447 Series

Description

The 446 and 447 series are circuit-board mountable, flat profile, fast-acting fuses designed for protection of electronic ballasts and power inverter applications. The 446 series is designed with leads for surface mount applications, and the 447 series is designed with leads for through-hole applications.

These fuses are 100% lead-free and meet the requirements of the RoHS directive.

Features

- RoHS compliant and 100% lead-free
- Ideal for use in electronic lighting ballast, power supply and power inverter applications.
- Rated for use in 125. 250, 277 and 350 VAC circuits.
- Based on the proven reliability of the automotive MINI® Fuse; available from 2 through 10 amperes.

• Evaluated to the requirements of UL 248-1 and CSA 248-1

7. (A)

RoHS (96)

- Recognized to UL/ CSA?NMX 248-1
- Color code on housing CC version for easy amperage identification and application

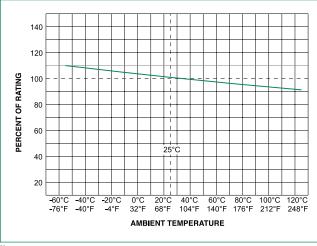
Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nomir Resistan

Ampere Rating		Max	Interrupting	Nominal Cold		Agency Approvals	
(A)	Amp Code	Voltage Rating (V)	ng Rating	Resistance (Ohms)		<u>71</u>	(SP)
2.00	002.	350	100A @ 350VAC 50A @ 125VDC 450 @ 60VDC	0.0563	2.8	х	х
3.00	003.	350		0.0336	9.4	х	x
4.00	004.	350		0.0237	17	х	x
5.00	005.	350		0.0178	25	х	x
7.50	07.5	350		0.0110	68	х	x
10.0	010.	350		0.0073	93	х	x



Surface Mount Fuses EBF Fuse Fast-Acting > 446/447 Series

Temperature Re-rating Curve



Note:

1. Re-rating depicted in this curve is in addition to the standard re-rating of 25% for continuous operation.

Soldering Parameters

446 Series:

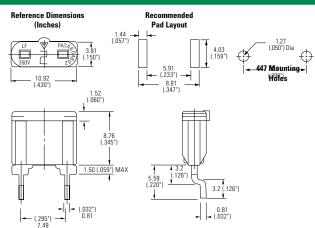
Reflow Solder — 235°C, 5 seconds maximum. No-clean process recommended. Wave Solder — Not recommended. Non-plated terminal surfaces may not meet MIL-STD-202, Method 208.

447 Series:

Contact Littelfuse for soldering parameters.

Inside terminal face of each lead is non-plated zinc. Non-plated zinc terminal faces may not meet MIL-STD-202, method 208. To ensure that the fuse is acceptable for the application, appropriate application testing should be performed.

Dimensions

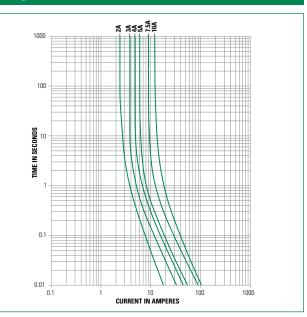


For 447 dimensions, please contact Littelfuse for specifications.

Product Characteristics

Materials	Body: Plastic Body – Terminations: Tin plated Zinc, Ni barrier	
Cleaning	No-cleaning process recommended	
Operating Temperature	-60°C to 125°C	

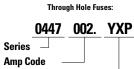
Average Time Current Curves



Part Numbering System

Surface Mount Fuses:

0446 002. ZRP



Quantity Code

YXP = 4000

Amp Code _____ Quantity Code ZRP = 800

Series

Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code		
446 Series					
24mm Tape and Reel	EIA RS-481-1 IEC 60286-3	800	ZRP		
447 Series					
Bulk Pack	-	4000	YXP		

Part Numbering System for Color Code

Surface Mount Fuses: Change the suffix to ZCCRP Through Hole Fuses: Change the suffix to YCCP

Housing Color
Gray
Violet
Pink
Tan
Brown
Red

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at: www.littelfuse.com/disclaimer-electronics.