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

446/447 Series EBF Fuse Fast-Acting









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.

Note:

Tan version available

Agency Approvals

Agency	Agency File Number	Ampere Range
71	E71611	2-10 A
(P :	29862	2-10 A

Features

- RoHS compliant and
- Ideal for use in electronic lighting ballast, power supply and power
- Rated for use in 125. 250, 277, and 350 VAC circuits
- Based on the proven reliability of the

- - 100% lead-free
- inverter applications
- automotive MINI® Fuse; available from 2 through 10 amperes

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

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



Resources 446 Series



447 Series



Samples 446 Series



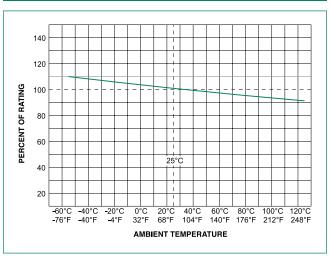
Samples 447 Series

Electrical Specifications by Item

Ampere Rating		Max	Interrupting Nominal Cold Rating Resistance (Ohms)	Nominal Cold	Nominal Melting	Agency Approvals	
(A)	Amp Code	Voltage Rating (V)		I ² t (A ² sec)	A	⊕ ;	
2.00	002.	350	100A @ 350VAC 50A @ 125VDC 450 @ 60VDC	0.0563	2.8	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

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Temperature Re-rating Curve



Note:

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

Soldering Parameters

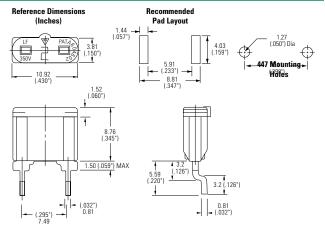
446 Series:

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

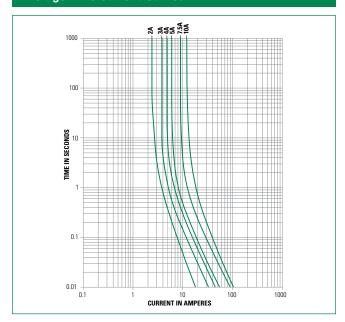


For 447 dimensions, please contact Littelfuse for specifications.

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 for Tan color

0446 002. ZRP

Amp Code

Quantity Code

ZRP = 800

Surface Mount Fuses:

Through Hole Fuses:

Series O447 O02. YXP

Amp Code

Quantity Code

YXP = 4000

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.