

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

|                      |                                 |
|----------------------|---------------------------------|
| <b>Part Number:</b>  | 0446003.ZR                      |
| <b>Manufacturer:</b> | Littelfuse Inc.                 |
| <b>Package:</b>      | Tape & Reel (TR), Cut Tape (CT) |
| <b>Availability:</b> | Please confirm with sales       |

#### Product Page:

<https://antrexco.com/product/details/littelfuse-inc/0446003-zr.html>

#### Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

### Contact Information

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WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

### Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

#### Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

# Surface Mount Fuses

## 350 Volt Surface Mount Fuse

### EBF Fuse Fast-Acting Type 446/447 Series



- 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.

#### ELECTRICAL CHARACTERISTICS:

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

**AGENCY APPROVALS:** Recognized under the Components Program of Underwriters Laboratories and CSA Certified. Approved by METI to 5 amperes.

**AGENCY FILE NUMBERS:** UL: E71611, CSA LR 29862.

**INTERRUPTING RATINGS:** 100 amperes at 350 VAC, 50 amperes at 125 VDC and 450 amperes at 60VDC

#### ENVIRONMENTAL SPECIFICATIONS:

**Operating Temperature:** -40°C to +125°C.

#### PHYSICAL SPECIFICATIONS:

**Materials:** Body: Plastic Body

Terminations: Tin-Lead (95/5) plated Zn, Ni barrier

#### Soldering Parameters:

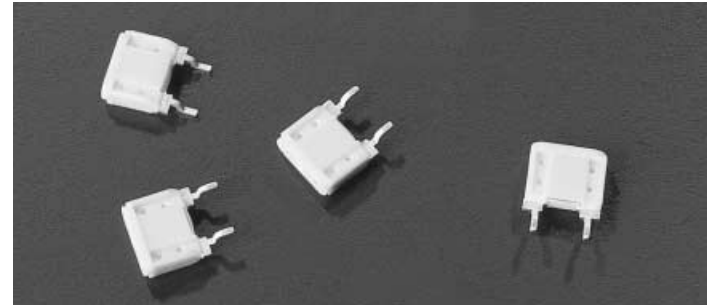
- Reflow Solder — 235°C, 5 seconds maximum.
- No-clean process recommended.
- Wave Solder — Not recommended.
- Non-plated terminal surfaces may not meet MIL-STD-202, Method 208.

#### PACKAGING SPECIFICATIONS:

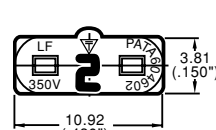
- 24mm Tape and Reel per EIA-RS481
- (Equivalent to IEC 286, part 3); 800 fuses per reel, add packaging suffix, ZR.
- Shelf Life: Up to 1 year in Factory sealed packaging.

#### ORDERING INFORMATION:

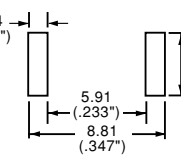
| Catalog Number | Ampere Rating (A) | Voltage Rating (VAC) | Nominal Cold Resistance(Ω) | Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec) |
|----------------|-------------------|----------------------|----------------------------|-------------------------------------------------------|
| 0446 002.      | 2                 | 350                  | 0.0560                     | 2.8                                                   |
| 0446 003.      | 3                 | 350                  | 0.0340                     | 9.4                                                   |
| 0446 004.      | 4                 | 350                  | 0.0240                     | 17                                                    |
| 0446 005.      | 5                 | 350                  | 0.0180                     | 25                                                    |
| 0446 07.5      | 7.5               | 350                  | 0.0110                     | 68                                                    |
| 0446 010.      | 10                | 350                  | 0.0073                     | 93                                                    |



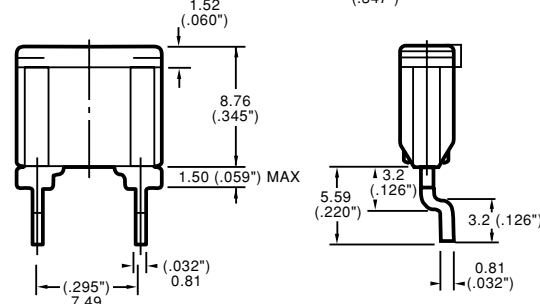
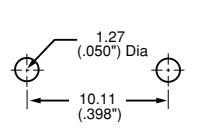
#### Reference Dimensions (Inches):



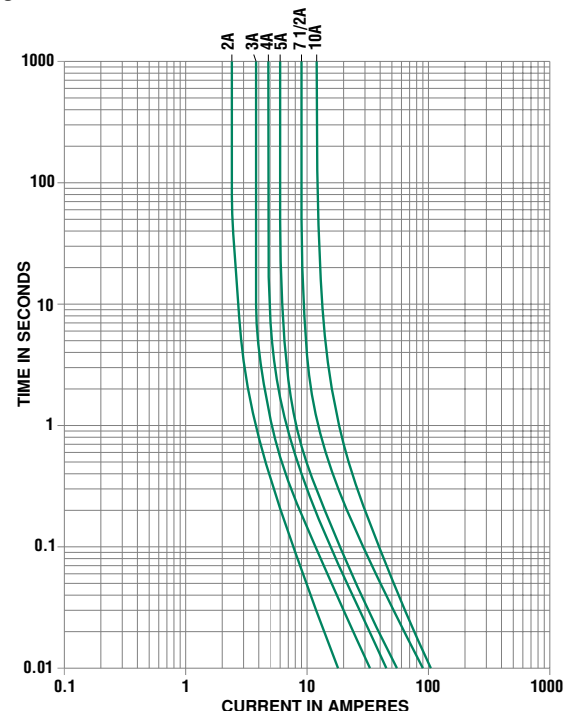
#### Recommended Pad Layout:



#### 447 Mounting Holes:



#### Average Time Current Curves



### EBF Fuse Fast-Acting Type 447 Series

- Through-hole version of the 446 series.

**ELECTRICAL CHARACTERISTICS:** Same as 446 Series.

**Dimensions:** Contact Littelfuse for specifications.

**Soldering Parameters:** 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.

**Packaging Specifications:** Bulk Pack (4,000 pieces per pack)