

### Description

- Fast acting micro fuse
- Base and cap material is a thermoplastic, UL 94-V0
- Leads are tin-lead plated copper alloy

### Electrical Characteristics

| Rated Current | 150%  |         | 210%   |        | 275%  |         | 400% |      | 1000%  |
|---------------|-------|---------|--------|--------|-------|---------|------|------|--------|
|               | Min.  | Max.    | Min.   | Max.   | Min.  | Max.    | Min. | Max. | Max.   |
| 250mA to 5A   | 1 hr. | 30 min. | 10 ms. | 3 sec. | 3 ms. | 300 ms. |      |      | 20 ms. |

All are 250V AC

### Agency Information

- Semco Certificate VDE License: 250mA to 5A / 35A or 10 In whichever is greater @ 250VAC
- UL Recognized File No. E19180, CSA Acceptance File No. LR701159; 250mA to 5A / 50A @ 250VAC
- RoHS Compliant

### Environmental Data

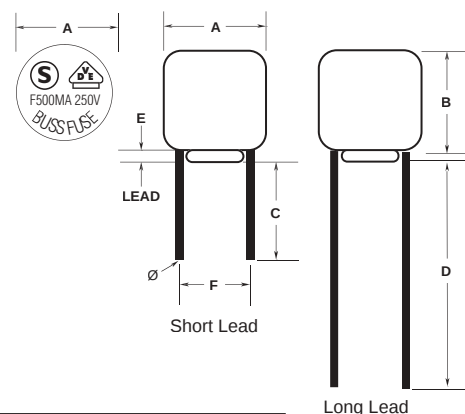
- Soldering Heat Resistance: 260°, 10 sec. per IEC 68-2-20
- Vibration Resistance: MIL-STD-202, Method 201, 10-55Hz x 3 axis/ no load
- Shock Resistance: MIL-STD-202, Method 213, Condition I (Sawtooth)
- Moisture Resistance: MIL-STD-202F, Method 106
- Salt Spray: MIL-STD-202, Method 101, Condition B (48 hrs)
- Operating Temperature: -55°C to +125°C

### Ordering

- Specify product code and packaging code



### Dimensional Data



Dimensions  
mm (inches)

|   | Short Lead         | Long Lead          |
|---|--------------------|--------------------|
| A | 8.35 ± 0.1 (0.329) | 8.35 ± 0.1 (0.329) |
| B | 7.7 ± 0.1 (0.303)  | 7.7 ± 0.1 (0.303)  |
| C | 4.3 ± 0.3 (0.169)  | —                  |
| D | —                  | 18.8 ± 0.3 (0.740) |
| E | 0.5 min. (0.020)   | 0.5 min. (0.020)   |
| F | 5.08 ± 0.1 (0.200) | 5.08 ± 0.1 (0.200) |
| Ø | 0.6 ± 0.1 (0.024)  | 0.6 ± 0.1 (0.024)  |

Long Lead

### SPECIFICATIONS

| Product Code | Ampere Rating | Typical Cold Resistance (ohm) | Volt-drop @ 100% In (Volt) max. | Melting I²T < 10 mSec (A² Sec) | Melting I²T @ 10 In (A² Sec) | Maximum Power Dissipation (W) |
|--------------|---------------|-------------------------------|---------------------------------|--------------------------------|------------------------------|-------------------------------|
| EFF-250mA    | 250mA         | 0.45                          | 0.254                           | 0.029                          | 0.027                        | 0.15                          |
| EFF-315mA    | 315mA         | 0.34                          | 0.246                           | 0.05                           | 0.05                         | 0.18                          |
| EFF-400mA    | 400mA         | 0.25                          | 0.239                           | 0.08                           | 0.08                         | 0.22                          |
| EFF-500mA    | 500mA         | 0.19                          | 0.232                           | 0.15                           | 0.13                         | 0.27                          |
| EFF-630mA    | 630mA         | 0.091                         | 0.106                           | 0.12                           | 0.13                         | 0.15                          |
| EFF-800mA    | 800mA         | 0.071                         | 0.103                           | 0.21                           | 0.22                         | 0.19                          |
| EFF-1        | 1A            | 0.055                         | 0.1                             | 0.36                           | 0.36                         | 0.23                          |
| EFF-1.25     | 1.25A         | 0.043                         | 0.097                           | 0.61                           | 0.59                         | 0.28                          |
| EFF-1.6      | 1.6A          | 0.034                         | 0.094                           | 1.1                            | 1                            | 0.35                          |
| EFF-2        | 2A            | 0.026                         | 0.091                           | 1.8                            | 1.7                          | 0.42                          |
| EFF-2.5      | 2.5A          | 0.02                          | 0.088                           | 3.1                            | 2.7                          | 0.51                          |
| EFF-3.15     | 3.15A         | 0.016                         | 0.086                           | 5.3                            | 4.5                          | 0.62                          |
| EFF-4        | 4A            | 0.012                         | 0.083                           | 9                              | 8                            | 0.77                          |
| EFF-5        | 5A            | 0.01                          | 0.081                           | 16                             | 13                           | 0.93                          |
| EFF-6.3      | 6.3A          | 0.008                         | 0.078                           | 27                             | 21                           | 1.14                          |

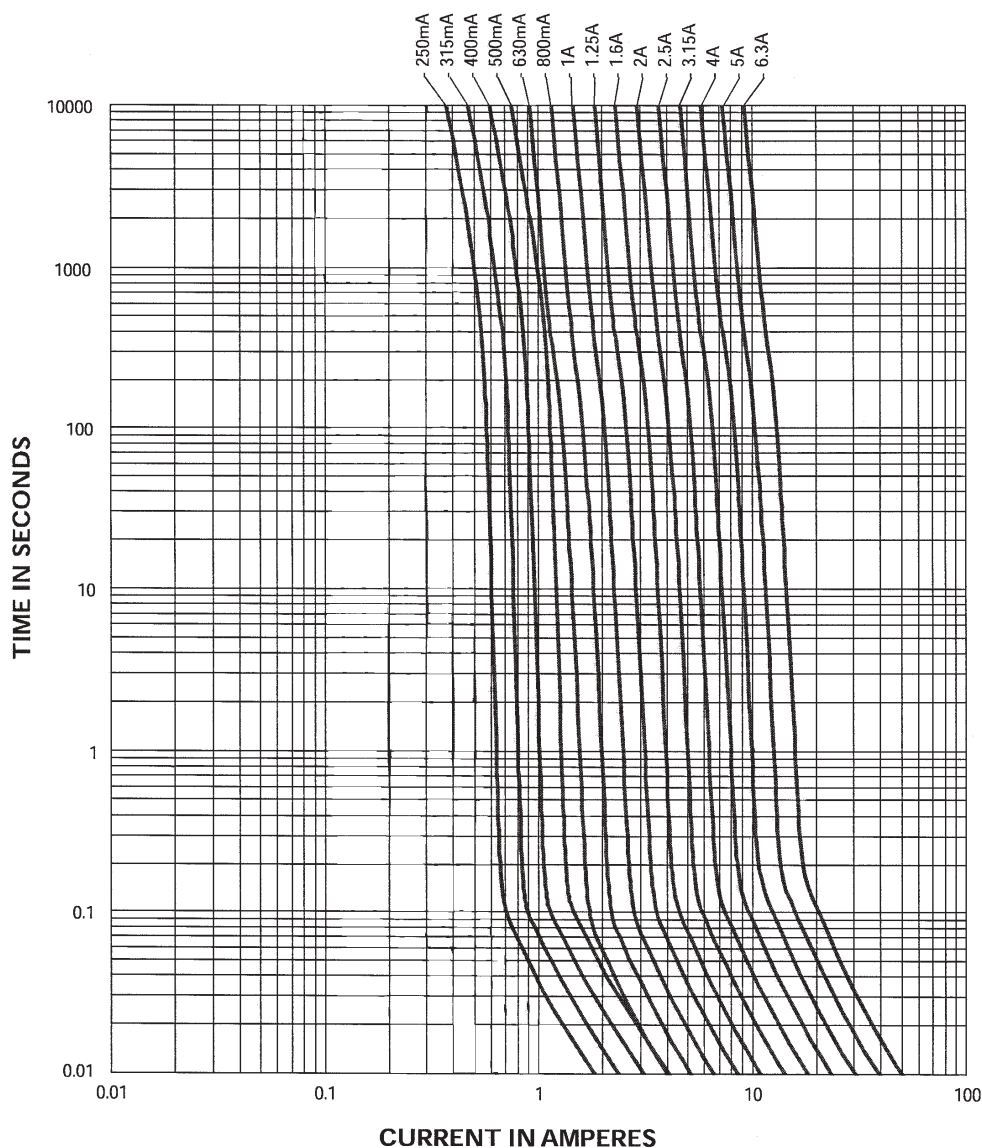
Voltage Drop measured at 100% of rated current.

Melting I²t measured at 10X current rating

# Radial Lead Micro Fuse

## EFF Series, Fast Acting

### TIME CURRENT CURVE



| PACKAGING CODE |                                                |
|----------------|------------------------------------------------|
| Packaging Code | Description                                    |
| AP             | Ammo-pack taped 1,000 per box (long lead only) |
| BK             | In bulk 100 per bag (short lead only)          |

#### North America

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