

# Type FMS-R-E

## Fast Acting Micro Fuse

### Radial Leaded – Short Leaded

Designed to Meet IEC Specifications



www.optifuse.com

(619) 593-5050

#### Agency Standards and Listings:



|               |            |
|---------------|------------|
| VDE           | 315mA~6.3A |
| UL Recognized | 315mA~6.3A |
| PSE           | 1A~6.3A    |
| SEMKO         | 315mA~6.3A |
| CQC           | 315mA~6.3A |

#### Interrupt Ratings:

VDE, cURus, SEMKO, CQC -  
35A or 10In whichever is greater  
PSE - 100A 250 VAC

**Operating Temperature:** -55°C ~ +125°C

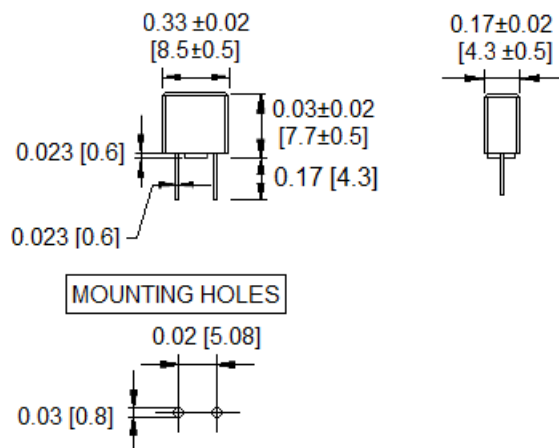
#### Physical Specifications (Materials):

Thermoplastic Body, UL 94-V0  
Tin-Lead Plated Alloy Pins

#### Electrical Characteristics:

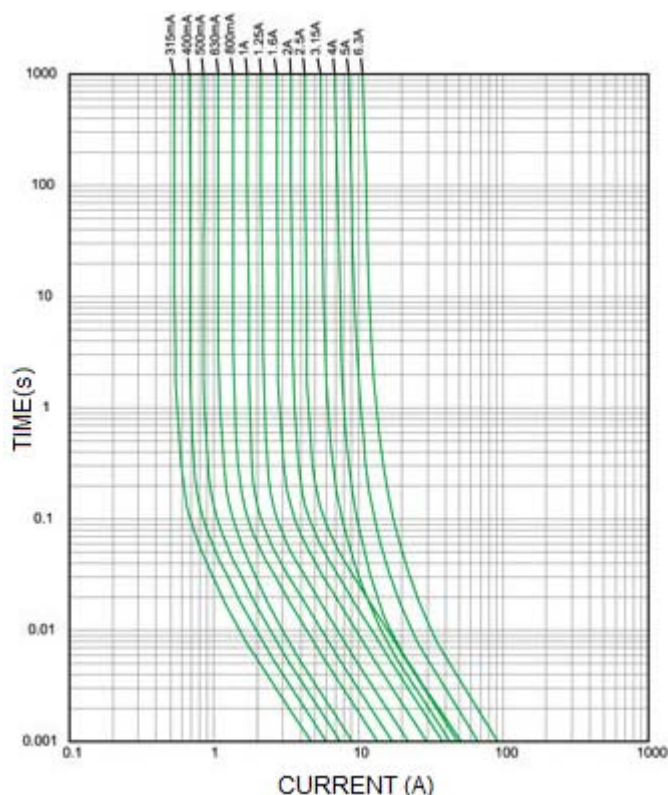
| 210% | 275%  |     | 400% |        | 1000% |
|------|-------|-----|------|--------|-------|
| MAX  | MIN   | MAX | MIN  | MAX    | MAX   |
| 30 m | 10 ms | 3 s | 3 ms | 300 ms | 20 ms |

#### Mechanical Dimensions: Inches [mm]



| Part Number   | Ampere Rating | Voltage Rating | I <sup>2</sup> T |
|---------------|---------------|----------------|------------------|
| FMS-R-E-315mA | 315mA         | 250V           | 0.02301          |
| FMS-R-E-400mA | 400mA         |                | 0.03848          |
| FMS-R-E-500mA | 500mA         |                | 0.06059          |
| FMS-R-E-630mA | 630mA         |                | 0.08831          |
| FMS-R-E-800mA | 800mA         |                | 0.1947           |
| FMS-R-E-1A    | 1A            |                | 0.3133           |
| FMS-R-E-1.25A | 1.25A         |                | 0.5169           |
| FMS-R-E-1.6A  | 1.6A          |                | 0.9379           |
| FMS-R-E-2A    | 2A            |                | 1.542            |
| FMS-R-E-2.5A  | 2.5A          |                | 2.555            |
| FMS-R-E-3.15A | 3.15A         |                | 2.085            |
| FMS-R-E-4A    | 4A            |                | 2.816            |
| FMS-R-E-5A    | 5A            |                | 5.473            |
| FMS-R-E-6.3A  | 6.3A          |                | 10.31            |

#### TIME CURRENT CURVE



#### Warning:



-Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame.  
-Micro Fuse device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated.  
-Avoid contact of Micro Fuse device with chemical solvent. Prolonged contact will damage the device performance.