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Description

- Axial Leaded
- Slow Blow, Wire-in-Air Design
- Tin-lead Plated Copper Lead Wires
- High Temperature Epoxy Plastic Body, UL 94 VO
- Interrupt 50 amperes at 125 VAC

| ELECTRICAL CHARACTERISTICS | |
|----------------------------|--------------------|
| % of Amp Rating | Opening Time |
| 100% | 4 hours minimum |
| 200% | 30 seconds maximum |

Agency Information

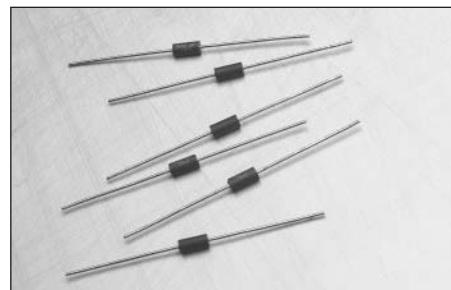
- UL Recognition Guide & File numbers: JDYX2 & E195337.
- CSA Certification Record No: LR 701159 & Class No: 1422 30 and 1422 01.

Environmental Data

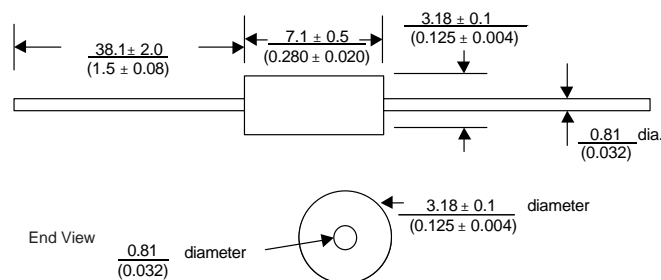
- Shock Resistance: MIL-STD-202, Method 213, Test Condition 1 (Sawtooth)
- Vibration Resistance: MIL-STD-202, Method 201 (10-55 Hz x 3 axis/ no load)
- Moisture Resistance: MIL-STD-202F, Method 106
- Soldering Heat Resistance: 260°C, 10 seconds per IEC 68-2-20
- Salt Spray: MIL-STD-202, Method 101, Test Condition B (48 Hours)

Ordering

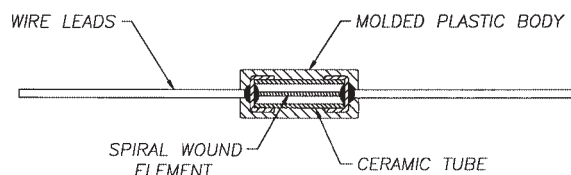
- Specify product code and packaging code



Dimensions ^{mm/(inches)}



Construction



Soldering Method

- Heat Resistance: 260°C, 10 sec per IEC 68-2-20

SPECIFICATIONS

| Product Code | Voltage Rating AC/DC | Interrupting Rating* | | Resistance (ohms)** Typ. | Typical Melt I ² t† | Typical Voltage Drop (V)‡ |
|--------------|-------------------------|----------------------|-------|--------------------------------|--------------------------------------|---------------------------------|
| | | AC | DC | | | |
| MCRS250mA | 125 V | 50 A | 300 A | 3.20 | 0.042 | 2.20 |
| MCRS300mA | 125 V | 50 A | 300 A | 2.57 | 0.056 | 2.02 |
| MCRS375mA | 125 V | 50 A | 300 A | 1.66 | 0.101 | 1.69 |
| MCRS500mA | 125 V | 50 A | 300 A | 1.07 | 0.18 | 1.42 |
| MCRS750mA | 125 V | 50 A | 300 A | 0.55 | 0.44 | 1.09 |
| MCRS1A | 125 V | 50 A | 300 A | 0.36 | 0.78 | 0.91 |
| MCRS1.25A | 125 V | 50 A | 300 A | 0.23 | 1.41 | 0.77 |
| MCRS1.5A | 125 V | 50 A | 300 A | 0.18 | 1.9 | 0.7 |
| MCRS2A | 125 V | 50 A | 300 A | 0.12 | 3.4 | 0.59 |
| MCRS2.5A | 125 V | 50 A | 300 A | 0.08 | 6.1 | 0.5 |
| MCRS3A | 125 V | 50 A | 300 A | 0.06 | 8.1 | 0.45 |
| MCRS4A | 125 V | 50 A | 300 A | 0.04 | 15 | 0.38 |
| MCRS5A | 125 V | 50 A | 300 A | 0.02 | 35 | 0.29 |
| MCRS7A | 125 V | 50 A | 300 A | 0.01 | 63 | 0.25 |

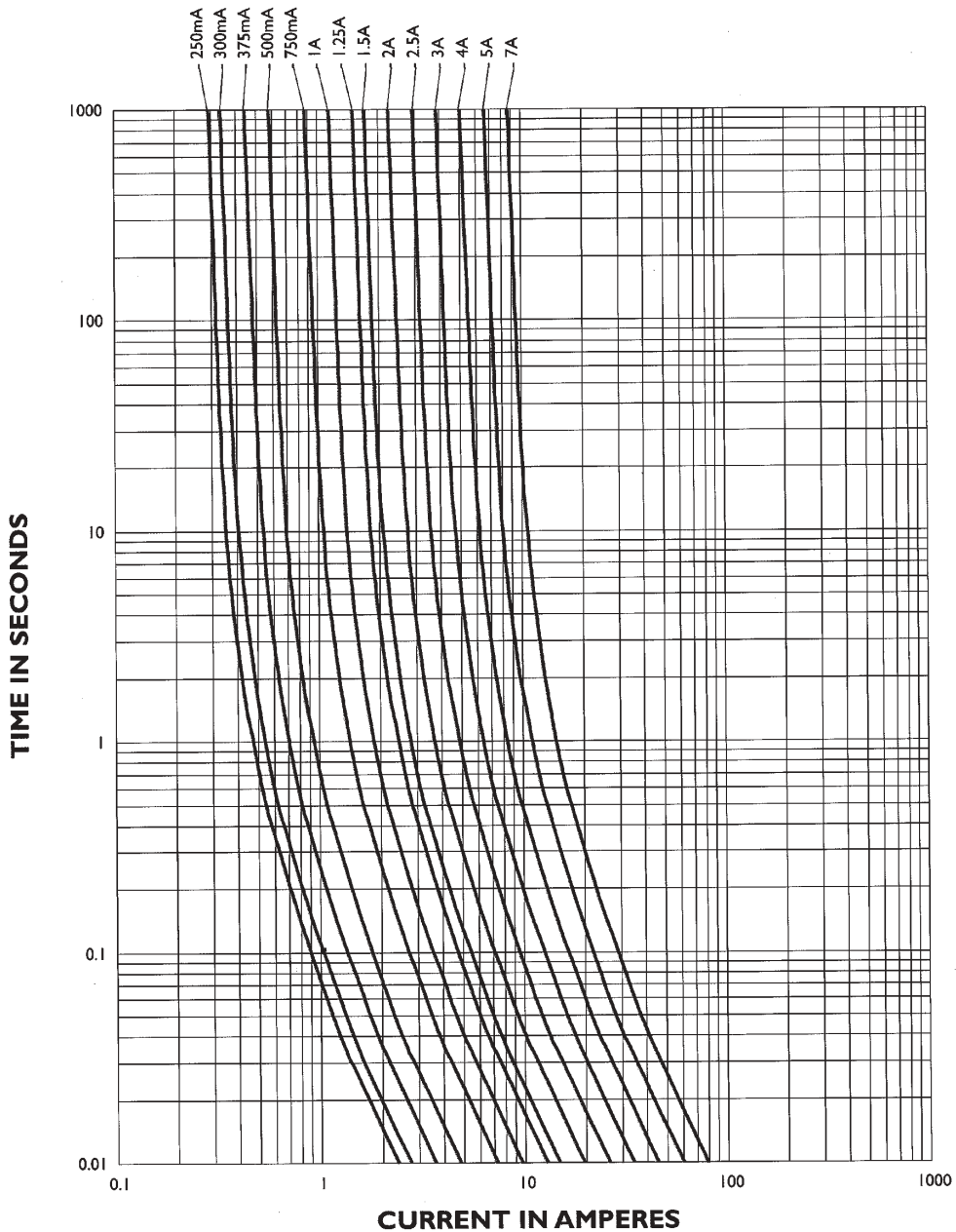
* AC Interrupting Rating (Measured at designated voltage, 100%) DC Interrupting Rating (Measured at designated voltage, rise time of less than 50 microseconds, battery source)

** DC Cold Resistance (Measured at 10% of rated current)

† Typical Melting I²t (Measured with a battery bank at rated DC voltage, 10x-rated current, rise time of calibrated circuit less than 50 microseconds)

‡ Typical Voltage Drop (Measured at rated current after temperature stabilizes)

TIME CURRENT CURVE



| PACKAGING CODE | |
|----------------|---|
| Packaging Code | Description |
| TR1 | 2,500 pieces on tape-and-reel per EIA-296-E @ 5 mm pitch and 52.4mm inside tape spacing |