

Surface Mount Fuses

Thin-Film Surface Mount

RoHS **Pb** **SlimLine™ Lead-Free 0402** Very Fast-Acting Fuse 435 Series



- RoHS compliant and Lead-Free
- The SlimLine 0402 fuse is the world's smallest fuse available.
- Ideal for space sensitive applications including disc drives and handheld devices including mobile phones, cameras and personal communication devices.
- The low profile flat surface and full-faced termination are designed for superior performance in surface mount assembly processes.

ELECTRICAL CHARACTERISTICS:

| % of Ampere Rating | Opening Time at 25°C |
|--------------------|-----------------------------|
| 100% | 4 hours, Minimum |
| 200% | 5 seconds, Maximum |
| 300% | 0.2 seconds, Maximum |

AGENCY APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

AGENCY FILE NUMBERS: UL E10480, CSA LR 29862.

INTERRUPTING RATINGS: 35A @ 32 VDC

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: -55°C to 90°C. Consult temperature derating chart on page 4. For operation above 90°C contact Littelfuse.

Vibration: Per MIL-STD-202F.

Insulation Resistance (After Opening): Greater than 10,000 ohms.

Resistance To Soldering Heat: Withstands 60 seconds above 200°C up to 260°C, maximum.

Thermal Shock: Withstands 5 cycles of -55°C to 125°C.

PHYSICAL SPECIFICATIONS:

Materials: Body: Epoxy Substrate

Terminations: 100% Copper/Nickel/Tin

Cover Coat: Conformal Coating

Soldering Parameters(see page 3 for typical soldering profile):

Reflow Solder— 260°C, 30 seconds maximum

PACKAGING SPECIFICATIONS: 8mm Paper Tape and Reel per EIA-RS481-1 (IEC 286, part 3); 10,000 per reel, add packaging suffix, KR.

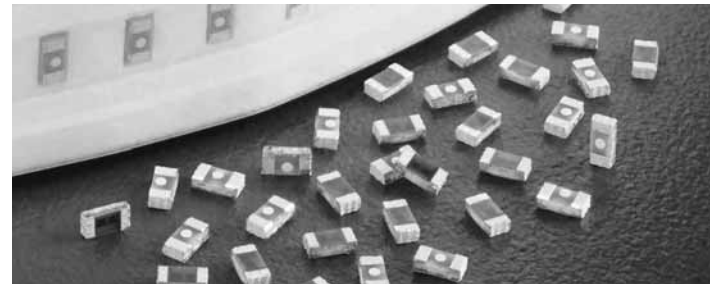
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ORDERING INFORMATION:

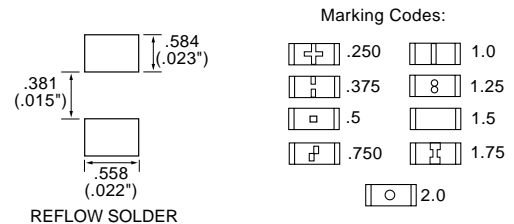
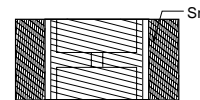
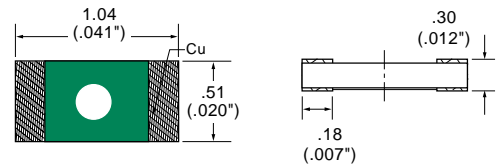
| Catalog Number | Ampere Rating | Voltage Rating | Nominal Resistance Cold Ohm ¹ | Nominal Melting I ² t (A ² Sec.) |
|----------------|---------------|----------------|--|--|
| 0435.250 | .25 | 32 | 0.220 | 0.0025 |
| 0435.375 | .375 | 32 | 0.185 | 0.0035 |
| 0435.500 | .5 | 32 | 0.150 | 0.0053 |
| 0435.750 | .75 | 32 | 0.105 | 0.012 |
| 0435.001. | 1 | 32 | 0.072 | 0.020 |
| 0435 1.25 | 1.25 | 32 | 0.060 | 0.035 |
| 0435 01.5 | 1.5 | 32 | 0.047 | 0.056 |
| 0435 1.75 | 1.75 | 32 | 0.038 | 0.075 |
| 0435 002. | 2 | 32 | 0.030 | 0.100 |

¹ Measured at 10% of rated current, 25°C.

² Measured at rated voltage.



Reference Dimensions:



Average Time Current Curves

