

AirMatrix® Surface Mount Fuses

AF Series, 1206 Size



Features:

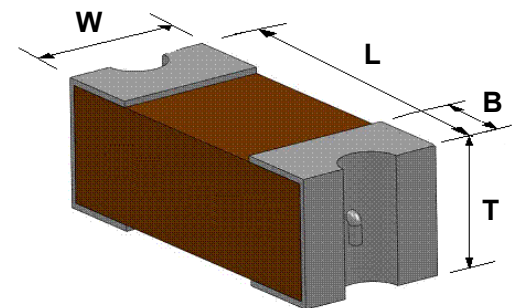
- Fast acting at 250% overload current level
- Excellent inrush current withstanding capability
- Extremely thin body for space saving
- Much safer with wire-in-air design
- Fiberglass enforced epoxy fuse body
- Copper termination with nickel and tin plating
- Operating temperature range: -55°C to +125 °C (with de-rating)
- 100% lead-free

Application Fields:

- Notebook, Ultrabook
- Backlight Driver
- DC/DC Converter
- Low voltage lighting power
- Automotive electronics

Shape and Dimensions:

| Unit | Inch | mm |
|------|------------------------|---------------------|
| L | 0.126 ± 0.008 | 3.20 ± 0.20 |
| W | 0.063 + 0.012 / -0.004 | 1.60 + 0.30 / -0.20 |
| T | 0.042 ± 0.006 | 1.08 ± 0.15 |
| B | 0.033 ± 0.012 | 0.85 ± 0.30 |



Clearing Time Characteristics:

| % of Current Rating | Clearing Time at 25°C | |
|---------------------|-----------------------|-----------|
| | Min. | Max. |
| 100% | 4 hour | |
| 250% | | 5 seconds |

Agency Approval:

Recognized Under the Components Program of Underwriters Laboratories. File Number: E232989

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Ordering Information:

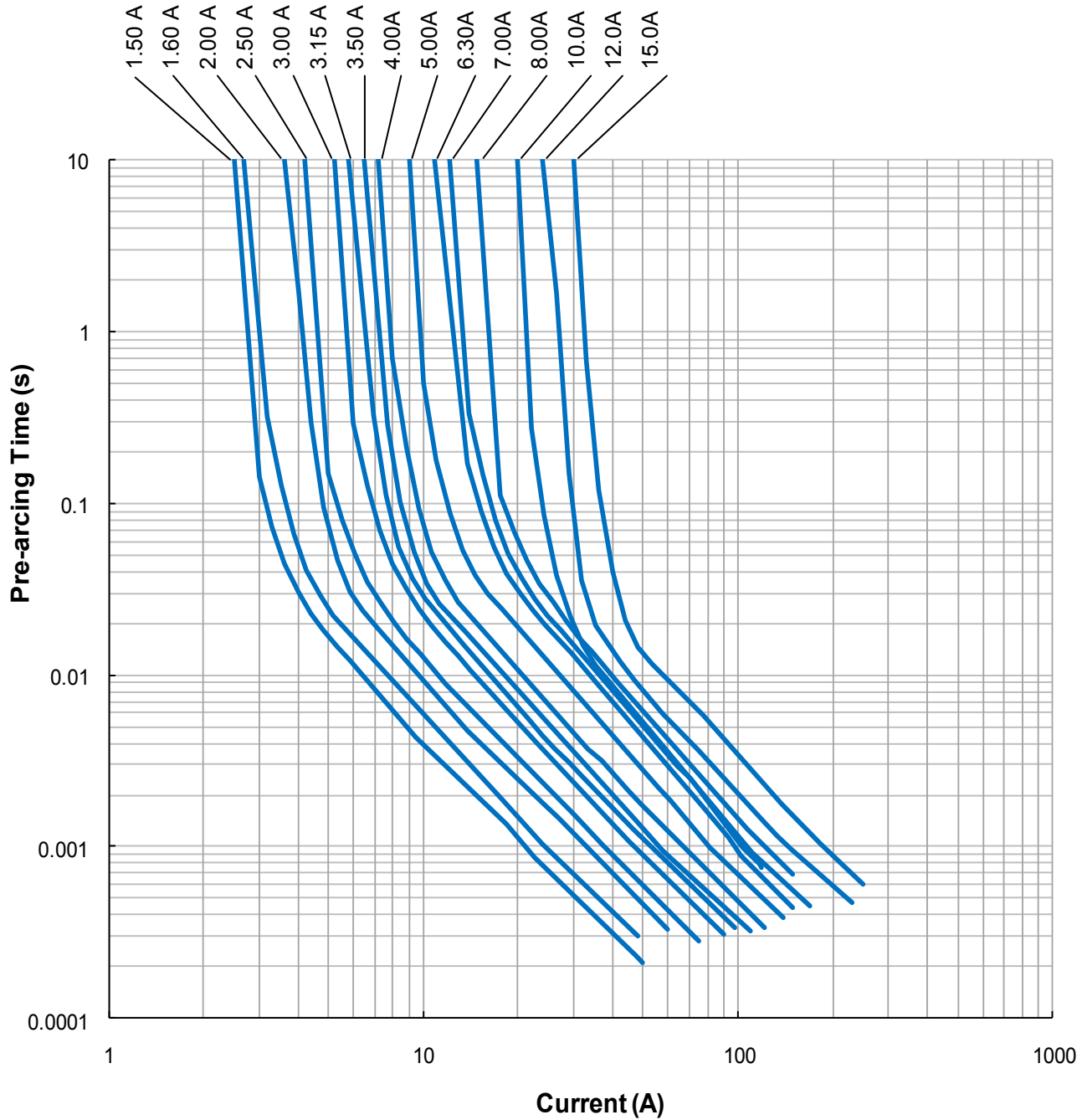
| Part Number | Current Rating (A) | Marking (White) | Voltage Rating (VDC) | Interrupting Rating | Nominal DCR (Ω) | Nominal I ² t (A ² s) |
|---------------|--------------------|-------------------|----------------------|---------------------|-----------------|---|
| AF1206F1.50TM | 1.50 | G | 65 | 50A@65VDC | 0.050 | 0.37 |
| AF1206F1.60TM | 1.60 | T | | | 0.043 | 0.52 |
| AF1206F2.00TM | 2.00 | I | | | 0.032 | 0.88 |
| AF1206F2.50TM | 2.50 | J | | | 0.028 | 1.1 |
| AF1206F3.00TM | 3.00 | K | | | 0.022 | 1.9 |
| AF1206F3.15TM | 3.15 | V | | | 0.020 | 2.2 |
| AF1206F3.50TM | 3.50 | L | | | 0.018 | 2.6 |
| AF1206F4.00TM | 4.00 | M | | | 0.016 | 3.3 |
| AF1206F5.00TM | 5.00 | N | 32 | 50A@32VDC | 0.013 | 5.4 |
| AF1206F6.30TM | 6.30 | O | | | 0.010 | 8.9 |
| AF1206F7.00TM | 7.00 | P | | | 0.0092 | 10.4 |
| AF1206F8.00TM | 8.00 | R | | | 0.0084 | 13.5 |
| AF1206F10.0TM | 10.0 | Q | | | 0.0050 | 11.2 |
| AF1206F12.0TM | 12.0 | X | | | 0.0041 | 15.0 |
| AF1206F15.0TM | 15.0 | Y | | | 0.0035 | 24.5 |

1. Resistance is measured at $\leq 10\%$ of rated current and 25°C ambient.
2. Melting I²t is calculated at 0.001 second pre-arcing time.

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Average Pre-arcing Time Curves:



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Average I^2t vs. t Curves:

