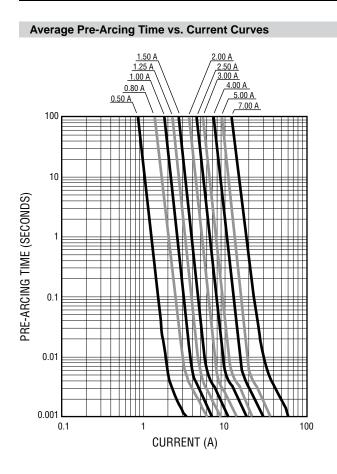
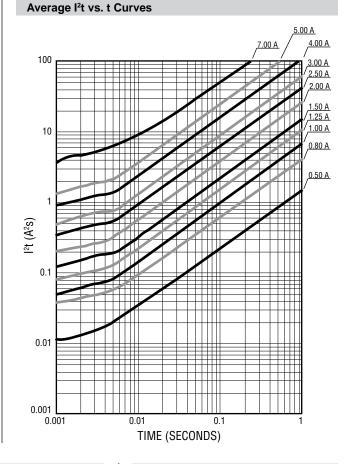
SinglFuse[™] SF-1206F Series Applications

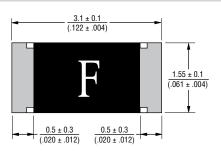
- Portable memory
- LCD monitors
- Disk drives
- PDAs
- Digital cameras
- DVDs

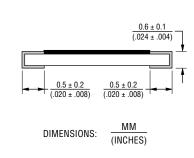
- Cell phones
- Rechargeable battery packs
- Battery chargers
- Set top boxes
- Industrial controllers
- SF-1206F Series Fast Acting Surface Mount Fuses
- BOURNS



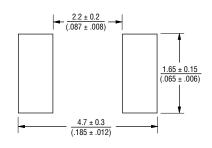


Product Dimensions





Recommended Pad Layout



Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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SF-1206F Series - Fast Acting Surface Mount Fuses

Thermal Derating Curve RATED CURRENT PERCENTAGE (%) 120 110 100 90 80 -20 0 20 40 60 80 100 120 AMBIENT TEMPERATURE (°C)

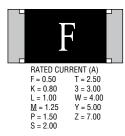
BOURNS

Packaging

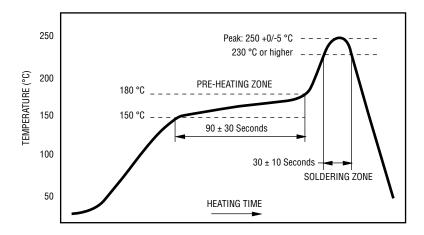
| Reel Dimension | 7-inch Tape and Reel | |
|----------------|----------------------|--|
| Specification | EIA 481-2 | |
| Quantity | 5,000 pieces | |
| Packaging Code | -2 | |

Typical Part Marking

Represents total content. Layout may vary.



Solder Reflow Recommendations



PEAK: 250 +0/-5 °C, 5 seconds PRE-HEATING ZONE: 150 to 180 °C, 90 \pm 30 seconds SOLDERING ZONE: 230 °C or higher, 30 \pm 10 seconds

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SF-1206F Series - Fast Acting Surface Mount Fuses

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Reliability Testing

| No. | Test | Requirement | Test Condition |
|-----|---------------------------|---|--|
| 1 | Carrying Capacity | No fusing | Rated current, 4 hours |
| 2 | Fusing Time | Within 1 minute | 200 % of its rated current |
| 3 | Interrupting Ability | No mechanical damages | After the fuse is interrupted, rated voltage applied for 30 seconds again |
| 4 | Bending Test | No mechanical damages | Distance between holding points: 90 mm, Bending: 3 mm, 1 time, 30 seconds |
| 5 | Resistance to Solder Heat | ±20 % | 260 °C ±5 °C,10 seconds ±1 second |
| 6 | Solderability | 95 % coverage minimum | 235 °C ±5 °C, 2 ±0.5 second 245 °C ±5 °C, 2 ±0.5 second (lead free) |
| 7 | Temperature Rise | <75 °C | 100 % of its rated current, measure of surface temperature |
| 8 | Resistance to Dry Heat | ±20 % | 105 °C ±5 °C, 1000 hours |
| 9 | Resistance to Solvent | No evident damage on protective coating and marking | 23 °C ±5 °C of isopropyl alcohol, 90 seconds |
| 10 | Residual Resistance | 10k ohms or more | Measure DC resistance after fusing |
| 11 | Thermal Shock | ΔR < 10 % | -20 °C / +25 °C /+125 °C /+25 °C, 10 cycles |

BOURNS®

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