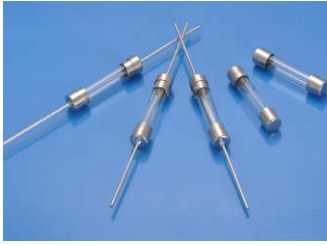


611 Miniature cartridge Fuse



Main Characteristics

Miniature cartridge fuse; Fast-Acting (F)

Standard

UL 248-14 (IEC 60127-2)

Materials

Tube: Glass Tube
End Caps: Nickel-plated brass
Axial Leads: Nickel-plated caps
Tin-plated copper wires

Operating Temperature

-55°C to +125°C

Storage Conditions

+10°C to +60°C
Relative humidity: ≤75% yearly average
Without dew, maximum 30 days at 95%

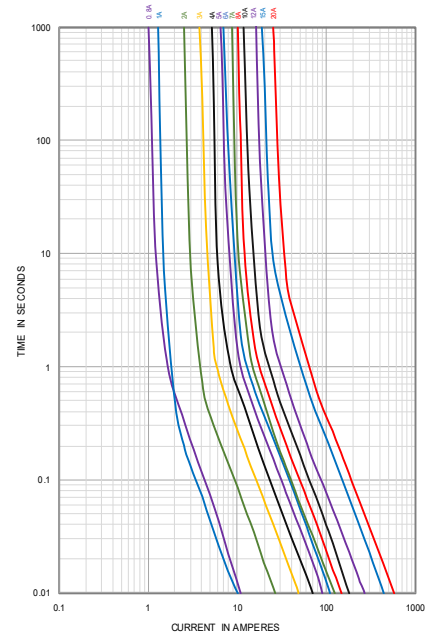
Vibration Resistance

24 cycles at 15 min. each (60068-6)
10-60Hz at 0.75mm amplitude
60-2000Hz at 10g acceleration

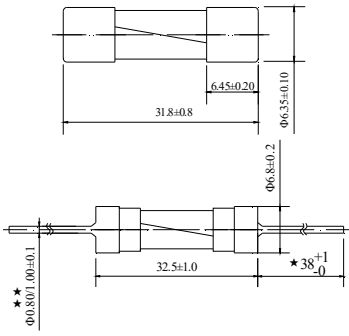
Soldering Parameters

260°C. ≤5 sec (Wave Soldering)
350°C. ≤3 sec (Hand Soldering)
Soldering Peak:
260°C. 10 sec. (IEC 60068-20)

Average Time Current(I-T Curve)



Dimensions (unit: mm)



★: Short lead: 30mm
★★: 500mA~12.5A : Φ0.80mm
15.0A~25.0A : Φ1.00mm

Time vs Current Characteristics:UL248-14 J60127-2 GB/T9364.7

| Rated current | 100% | 110% | 135% | 200% | 275% | 400% | 1000% |
|------------------|------|------|------|-------|---------|--------|--------|
| 500mA~20A(UL) | >4h | / | <1h | <10s | / | / | / |
| 12.5A/16A(GB) | >4h | / | / | <60s | 20ms~3s | 8ms~1s | ≤150ms |
| 15A/20A/25A(PSE) | / | >1h | <1h | <120s | / | / | / |



Electrical Characteristics at 25°C

| Amp | Rated Current | Max. Voltage | Nominal Melting I ² t(A ² sec) | Typical Cold Resistance (mΩ) | Breaking Capacity | Approvals | | | | |
|------|---------------|--------------|--|------------------------------|----------------------------|-------------|-----|-------|-------|---|
| | | | | | | PSE | CQC | cULus | cURus | |
| 0500 | 500mA | 250V AC | 0.49 | 430 | 10KA@125VAC 35A@250VAC | ○ | ○ | ● | ○ | |
| 0630 | 630mA | | 0.81 | 310 | | ○ | ○ | ○ | ○ | |
| 0800 | 800mA | | 1.21 | 192 | | ○ | ○ | ○ | ○ | |
| 1100 | 1.00A | | 1.00 | 150 | 10KA@125VAC 100A@250VAC | ○ | ○ | ● | ○ | |
| 1150 | 1.50A | | 2.10 | 93 | | ○ | ○ | ● | ○ | |
| 1200 | 2.00A | | 7.29 | 68 | | ○ | ○ | ● | ○ | |
| 1250 | 2.50A | | 11.2 | 45 | | ○ | ○ | ● | ○ | |
| 1300 | 3.00A | | 24.0 | 36 | | ○ | ○ | ● | ○ | |
| 1350 | 3.50A | | 34.8 | 29 | 10KA@125VAC 200A@250VAC | ○ | ○ | ● | ○ | |
| 1400 | 4.00A | | 49.0 | 27.55 | | ○ | ○ | ● | ○ | |
| 1500 | 5.00A | | 270 | 18.8 | | ○ | ○ | ● | ○ | |
| 1600 | 6.00A | | 121 | 15.5 | | ○ | ○ | ● | ○ | |
| 1700 | 7.00A | | 156 | 13.8 | | ○ | ○ | ● | ○ | |
| 1800 | 8.00A | | 219 | 10.35 | | ○ | ○ | ● | ○ | |
| 2100 | 10.00A | | 324 | 9.36 | | ○ | ○ | ● | ○ | |
| 2120 | 12.00A | | 729 | 7.45 | | ○ | ○ | ○ | ● | |
| 2150 | 12.50A | | 767 | 6.42 | | ○ | ● | ○ | ● | |
| 2150 | 15.00A | | 1936 | 4.20 | | ● | ○ | ○ | ● | |
| 2160 | 16.00A | | 2025 | 4.00 | ○ | ● | ○ | ● | | |
| 2200 | 20.00A | | 3600 | 3.30 | ● | ● | ○ | ● | | |
| 2250 | 25.00A | | 125V AC | 3844 | 2.92 | 300A@125VAC | ● | ○ | ○ | ○ |

- Note:** (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
 (2) The cURus and cULus certification by 125V and 250V; the CQC certification by 250V; the PSE certification by 125V
 (3) The current values used for calculating I²T should be within the standard range of 8ms ~ 10ms.

Ordering Information

| Series | Amp Code | Supplementary Code | Qty |
|--------|----------|--------------------|-----|
| 611 | | | |