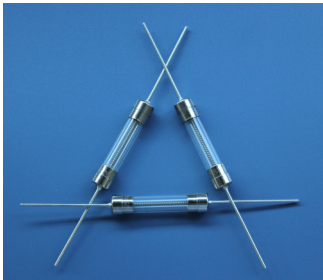
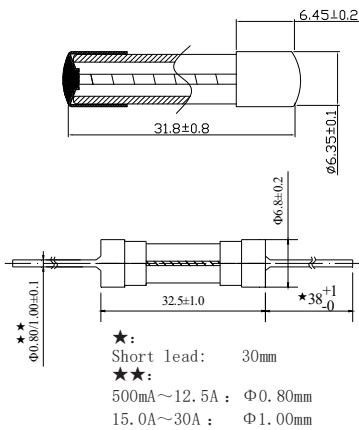


612 Miniature cartridge Fuse



Dimensions (unit: mm)



Main Characteristics

Miniature cartridge fuse; Time-Lag (T)

Standard

UL248-14 (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: $\leq 75\%$ yearly average
 Without dew, maximum 30 days at 95%

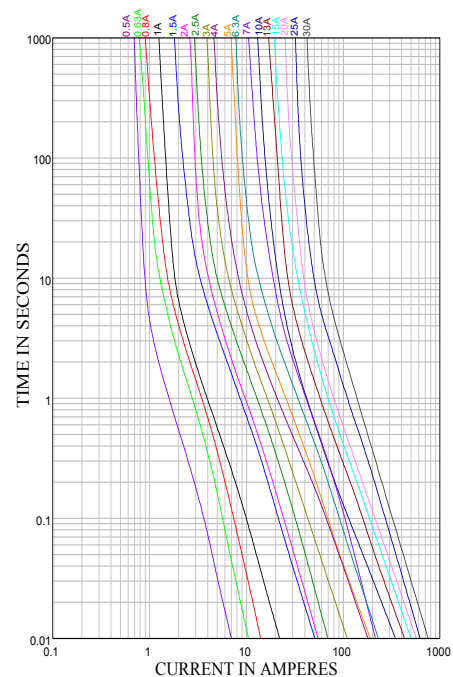
Vibration Resistance

120 cycles in 1 direction at 1 min. each
 10-55Hz, 3 directions(X, Y, Z) in total
 According to MIL-STD-202 Method 201A

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)



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

| Rated current | 100% | 135% | 200% | 275% | 400% | 1000% |
|----------------|------|------|--------|-----------|----------|------------|
| 500mA ~30A(UL) | >4h | <1h | 5s~60s | / | / | / |
| 8A/10A/16A(GB) | >4h | / | <120s | 600ms~10s | 150ms~3s | 20ms~300ms |



Electrical Characteristics at 25°C

| Amp | Rated Current | Rated Voltage | Nominal Melting $I^2t(A^2sec)$ | Typical Cold Resistance (m Ω) | Breaking Capacity | Approvals | | | |
|------|---------------|--------------------|--------------------------------|---------------------------------------|----------------------------|-----------|-------|-----|-----|
| | | | | | | cULus | cURus | CQC | PSE |
| 0500 | 500mA | 125V AC 250V AC | 0.49 | 1000 | 10KA@125VAC 35A@250VAC | • | ○ | ○ | ○ |
| 0630 | 630mA | | 1.10 | 840 | | • | ○ | ○ | ○ |
| 0800 | 800mA | | 1.96 | 517 | | • | ○ | ○ | ○ |
| 1100 | 1.00A | | 4.84 | 353 | 10KA@125VAC 100A@250VAC | • | ○ | ○ | ○ |
| 1125 | 1.25A | | 6.76 | 228 | | • | ○ | ○ | ○ |
| 1150 | 1.50A | | 26.01 | 210 | | • | ○ | ○ | ○ |
| 1200 | 2.00A | | 30.25 | 124.4 | | • | ○ | ○ | ○ |
| 1250 | 2.50A | | 47.61 | 74 | | • | ○ | ○ | ○ |
| 1300 | 3.00A | | 121 | 74.11 | | • | ○ | ○ | ○ |
| 1315 | 3.15A | | 132 | 76.67 | 10KA@125VAC 200A@250VAC | ○ | ○ | ○ | ○ |
| 1400 | 4.00A | | 324 | 37 | | • | ○ | ○ | ○ |
| 1500 | 5.00A | | 361 | 29.82 | | • | ○ | ○ | ○ |
| 1600 | 6.00A | | 462 | 19.7 | | • | ○ | ○ | ○ |
| 1700 | 7.00A | | 462 | 21.06 | 400A@125VAC 200A@250VAC | • | ○ | ○ | ○ |
| 1800 | 8.00A | | 676 | 8.70 | | • | ○ | • | ○ |
| 2100 | 10.00A | | 1190 | 8.30 | | ○ | • | • | ○ |
| 2120 | 12.00A | | 1640 | 6.84 | | ○ | • | ○ | ○ |
| 2150 | 15.00A | | 2500 | 5.20 | | ○ | • | ○ | ○ |
| 2160 | 16.00A | | 2601 | 4.66 | 400A@125VAC 100A@250VAC | ○ | • | • | ○ |
| 2200 | 20.00A | | 3249 | 3.30 | | ○ | • | ○ | • |
| 2250 | 25.00A | | 7225 | 2.50 | | ○ | • | ○ | ○ |
| 2300 | 30.00A | | 8081 | 2.14 | | ○ | • | ○ | ○ |

- Notes: 1. Permissible continuous operating current is $\leq 100\%$ at ambient temperature of 23°C (73.4°F)
 2. The current values used for calculating I²T should be within the standard range of 8ms ~ 10ms.

Ordering Information

| Series | Amp Code | Supplementary Code | Qty |
|--------|----------|--------------------|-----|
| 612 | | | |