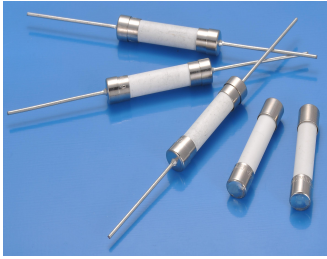


616 Miniature cartridge Fuse



Main Characteristics
Miniature cartridge fuse; Time-Lag(T)

Standard
UL248-14, IEC60127-7

Materials
Tube: Ceramic 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%

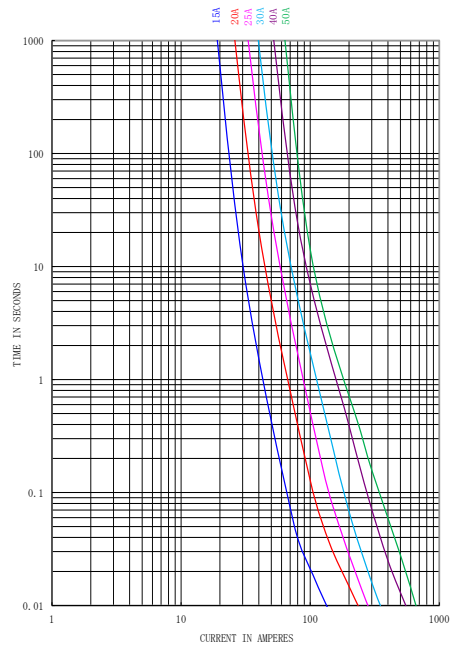
Vibration Resistance

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

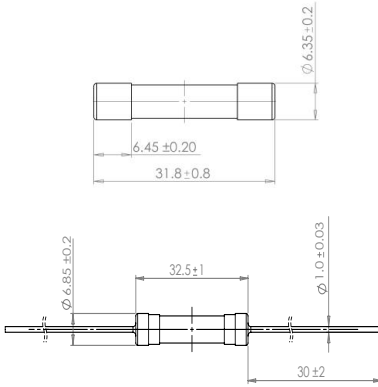
Soldering Parameters

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)



Dimensions (unit: mm)



★ 15.0A~30A: Φ1.0mm
>30A: Φ1.2mm

Time vs Current Characteristics: UL 248-14

| | | |
|---------------|------|-------|
| Rated Current | 100% | 200% |
| 15A~50A | >4h | <120s |



Electrical Characteristics at 25°C

| Amp | Rated Current | Rated voltage | Voltage Drop Max(mV) | Typical Cold Resistance (mΩ) | Nominal Melting I ² t(A ² sec) | Breaking Capacity | Approvals | | |
|------|---------------|---------------|----------------------|------------------------------|--|-------------------------------|-----------|-----|-----|
| | | | | | | | cURus | TUV | CQC |
| 2150 | 15.00A | 250V AC | 150 | 6.03 | 169.3 | 200A@150V DC 1500A@250V AC | ● | ● | ○ |
| 2200 | 20.00A | | 150 | 3.84 | 360.0 | | ● | ● | ● |
| 2250 | 25.00A | | 150 | 2.80 | 874.4 | | ● | ● | ○ |
| 2300 | 30.00A | | 150 | 2.20 | 1449.0 | | ● | ● | ○ |
| 2400 | 40.00A | | 150 | 1.48 | 4000.0 | | ● | ○ | ○ |
| 2500 | 50.00A | | 150 | 1.27 | 7000.0 | | ● | ○ | ○ |

- Note:**
- means the approvals are pending.
 - The current values used for calculating I²T should be at 10I_n.
 - The breaking capacity of TUV is 500A@250VAC when the current is 25A and 30A

Ordering Information

| Series | Amp Code | Supplementary Code | Qty |
|--------|----------|--------------------|-----|
| 616 | | | |