

# 615 Miniature cartridge Fuse



**Main Characteristics**  
Miniature cartridge fuse; Fast-acting(F)  
**Standard**

UL248-14

**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%

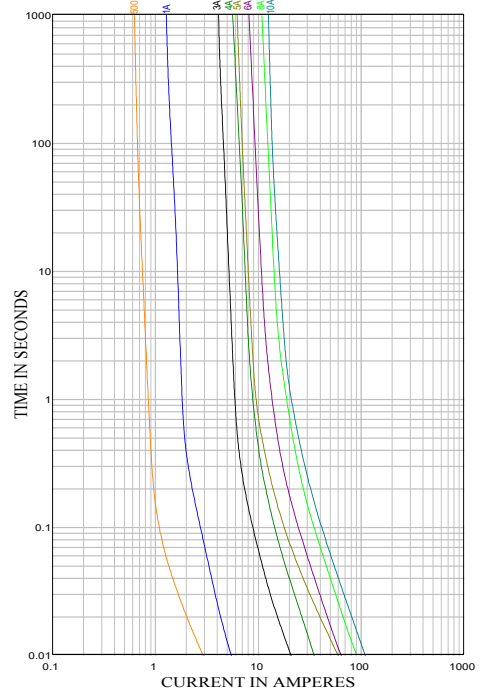
**Vibration Resistance**

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

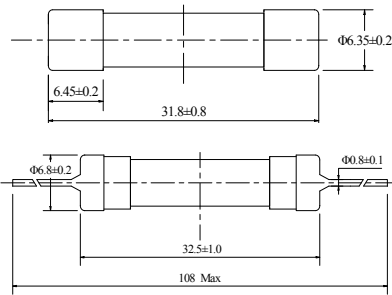
**Soldering Parameters**

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)



|               |      |      |      |
|---------------|------|------|------|
| Rated Current | 100% | 135% | 200% |
| 500mA ~10A    | >4h  | <1h  | <10s |



## Electrical Characteristics at 25°C

| Amp  | Rated Current | Rated voltage       | Typical Cold Resistance (mΩ) | Nominal Melting I <sup>2</sup> t(A <sup>2</sup> sec) | Breaking Capacity             | Approvals |
|------|---------------|---------------------|------------------------------|--|-------------------------------|-----------|
|      |               |                     |                              |  |                               | cURus     |
| 0500 | 500mA         | 660V AC<br>1000V AC | 1080                         | 0.084  | 100A@1000V AC<br>300A@660V AC | •         |
| 1100 | 1.00A         |                     | 475.0                        | 0.297  |                               | •         |
| 1300 | 3.00A         |                     | 78.00                        | 3.53   |                               | •         |
| 1400 | 4.00A         |                     | 59.15                        | 12.25  |                               | •         |
| 1500 | 5.00A         |                     | 43.00                        | 36.00  |                               | •         |
| 1600 | 6.00A         |                     | 32.00                        | 40.96  |                               | •         |
| 1800 | 8.00A         |                     | 20.40                        | 81.00  |                               | •         |
| 2100 | 10.00A        |                     | 14.97                        | 121.00   |                               | •         |

- Notes:** 1. Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)  
2. The current values used for calculating I<sup>2</sup>T should be within the standard range of 8ms ~ 10ms.

## Ordering Information

| Series | Amp Code | Supplementary Code | Qty |
|--------|----------|--------------------|-----|
| 615    |          |                    |     |



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Intertek QC 080000 Certified Company  
NQA IATF 16949 Certified Company

国家高新技术企业  
SC 32C 国内专家组成员单位  
ISO 9001 认证企业  
ISO 14001 认证企业  
QC 080000 认证企业  
IATF 16949 认证体系