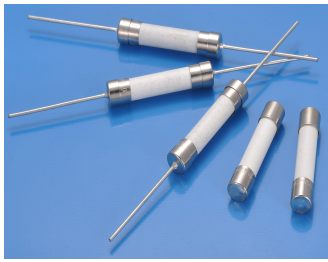


# 617 Miniature cartridge Fuse



## 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

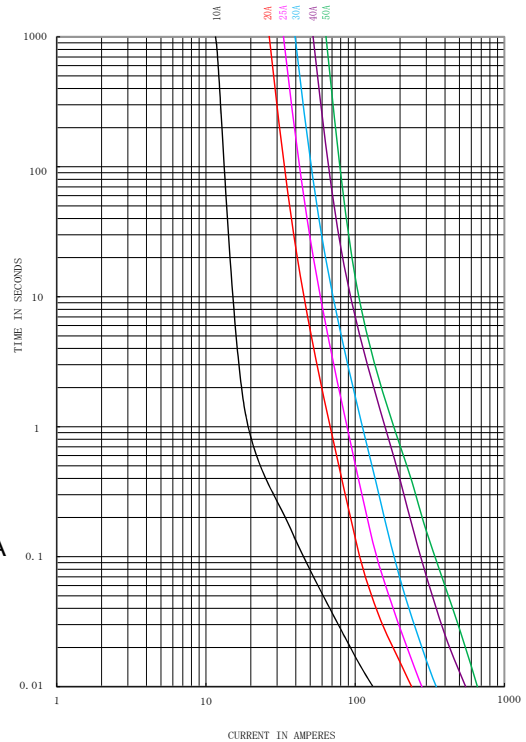
+10°C to +60°C  
Relative humidity: ≤75% yearly average  
Without dew, maximum 30 days at 95%

## Vibration Resistance

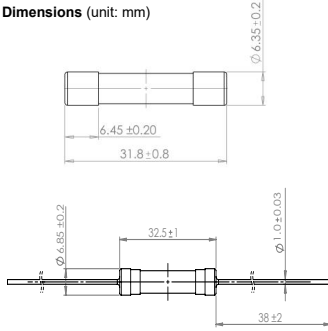
120 cycles in 1 direction at 1 min. each  
10-55Hz, 3 directions(X, Y, Z) in total  
According to MIL-STD-202 Method 201A

## Soldering Parameters

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



Dimensions (unit: mm)



★ <15.0A: Φ0.8mm  
15.0A~30A: Φ1.0mm  
>30A: Φ1.2mm

## Time vs Current Characteristics: UL 248-14

Rated Current	100%	200%
10A~50A	>4h	<120s



## Electrical Characteristics at 25°C

Amp Code	Rated Current	Rated Voltage	Voltage Drop Max(mV)	Breaking Capacity	Typical Cold Resistance (mΩ)	Melting I <sup>2</sup> T(A <sup>2</sup> s)	Approvals	
							cURus	TUV
2200	10.00A	150V DC 250V AC 300V AC	300	200A@150V DC 1500A@250V AC 400A@300VAC	13.5	186	●	○
2200	20.00A		150		3.84	358	●	●
2250	25.00A		150		3.02	861	●	○
2300	30.00A		150		2.20	1430	●	●
2400	40.00A		150		1.35	3800	●	○
2500	50.00A	150V DC 250V AC	150	200A@150V DC 1500A@250V AC	1.27	6950	●	○

**Note:** 1. The current values used for calculating I<sup>2</sup>T should be at 10I<sub>n</sub>.

Series	Amp Code	Supplementary Code	Qty
617			