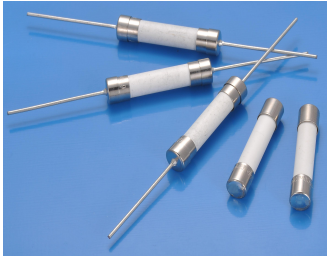


# 616 Miniature cartridge Fuse



**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**

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

**Soldering Parameters**

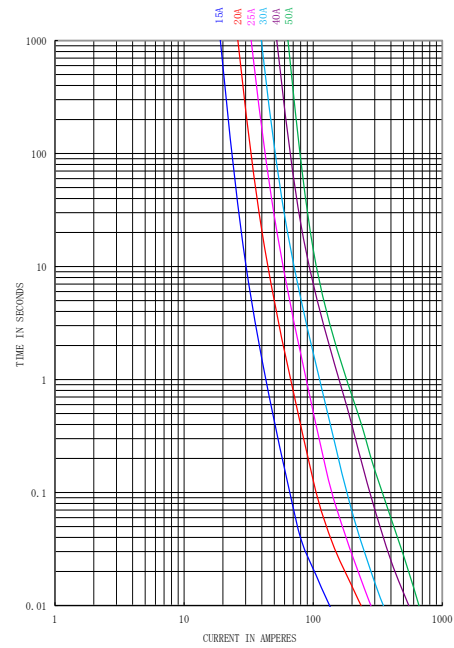
260°C. ≤5 sec (Wave Soldering)

350°C. ≤3 sec (Hand Soldering)

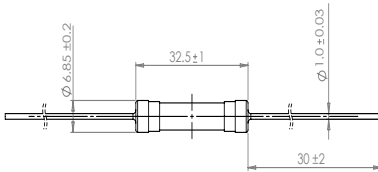
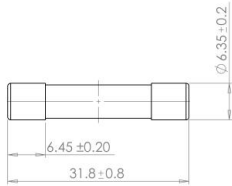
**Soldering Peak:**

260°C. 10 sec. (IEC 60068-20)

Average Time Current(I-T Curve)



Dimensions (unit: mm)



- ★ 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 <sup>2</sup> t(A <sup>2</sup> sec)	Breaking Capacity	Approvals	
							cURus	TUV
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:** 1. ○ means the approvals are pending.

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

3. The breaking capacity of TUV is 500A@250VAC when the current is 25A and 30A

### Ordering Information

Series	Amp Code	Supplementary Code	Qty
616			