

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%

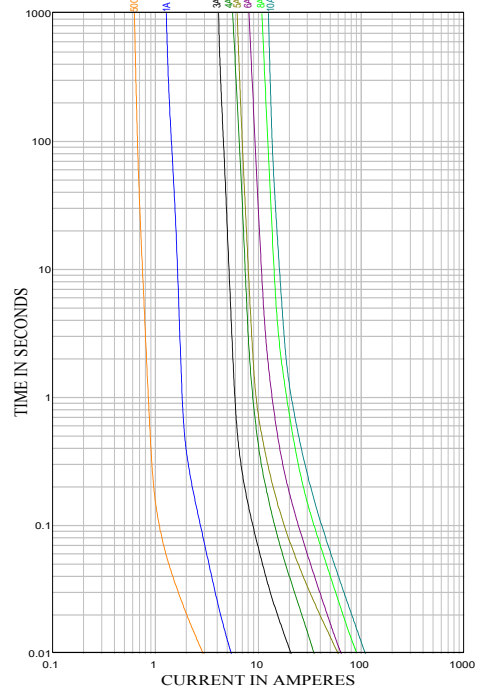
Vibration Resistance

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

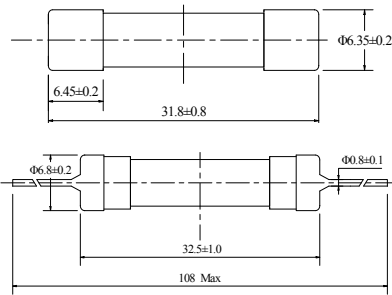
Soldering Parameters

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 ² t(A ² sec)	Breaking Capacity	Approvals
						cURus
0500	500mA	660V AC 1000V AC	1080	0.084	100A@1000V AC 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 I²T should be within the standard range of 8ms ~ 10ms.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
615			