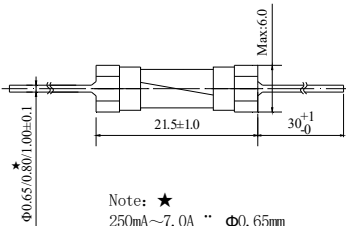
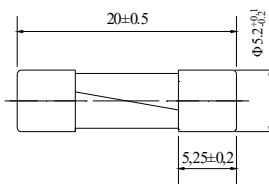


# 511 Miniature Cartridge Fuse



Dimensions (unit in mm)



Note: ★  
 250mA~7.0A Φ0.65mm  
 8.0A~12.5A Φ0.80mm  
 15.0A Φ1.00mm

## Main Characteristics

Miniature Cartridge fuse; Fast- Acting(F)

## Standard

UL 248-14

## Materials

Tube: Glass 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%

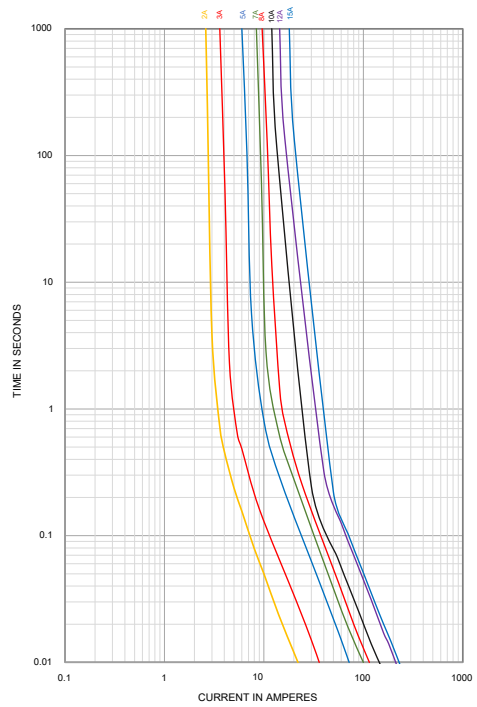
## Vibration Resistance

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 Current Curve(I-T Curve)



Time vs Current Characteristics: UL 248-14

Rated Current	100%	135%	200%
250mA~15A	>4h	<1h	<5s



Electrical Characteristics at 25°C

Amp	Rated Current	Max Voltage	Nominal Melting I <sup>2</sup> t(A <sup>2</sup> sec)	Typical Cold Resistance (mΩ)	Breaking Capacity	Approval	
						cURus	PSE
1100	1.00A	250V AC	2.89	106.3	10kA@125V AC 100A@250V AC 50-60Hz Cosφ0.7~0.8	•	○
1200	2.00A		4.84	47.80		•	○
1250	2.50A		8.72	37.72		•	○
1300	3.00A		12.96	32.00		•	○
1500	5.00A		51.84	17.00	10kA@125V AC 200A@250V AC 50-60Hz Cosφ0.7~0.8	•	○
1700	7.00A		100	10.08		•	○
1800	8.00A		132.2	9.70		•	○
2100	10.00A		204.5	7.80		•	○
2120	12.00A		289	5.00		•	○
2150	15.00A		441	4.62		•	•

Note: (1) Permissible continuous operating current is 100% at ambient temperature of 23°C (73.4°F)  
 (2) The cURus certification by 125V and 250V, the PSE certification only by 250V.

## Ordering Information

Series	Amp Code	Supplementary Code	Qty
511			

