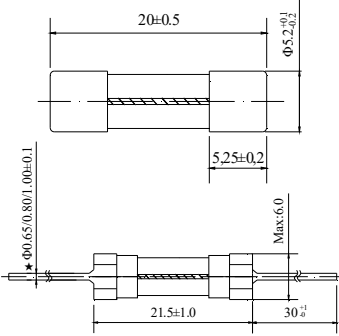


# 512 Miniature Cartridge Fuse



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; Time-Lag(T)

## 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

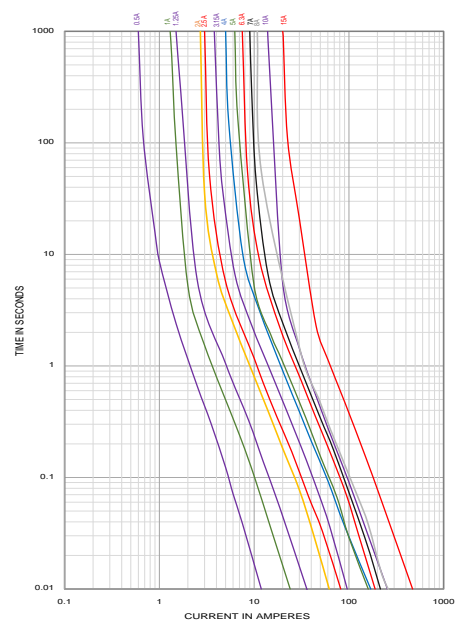
260°C. ≤5 sec (Wave Soldering)

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~120s



Electrical Characteristics at 25°C

Amp	Rated Current	Rated Voltage	Nominal Melting I <sup>2</sup> t(A <sup>2</sup> sec)	Typical Cold Resistance (mΩ)	Breaking Capacity	Approvals	
						cURus	PSE
0500	500mA	125V AC 250V AC	1.42	695	10kA@125V AC 35A@250V AC	•	○
0800	800mA		4.84	369		•	○
1100	1.00A		5.76	250		•	○
1125	1.25A		9.92	170		•	○
1160	1.60A		24.50	120	10kA@125V AC 100A@250V AC	•	○
1200	2.00A		38.44	71.5		•	○
1250	2.50A		67.24	61.0		•	○
1315	3.15A		92.16	38		•	○
1400	4.00A		289	26.5		•	○
1500	5.00A		256	19.5		•	○
1630	6.30A		357	16.3	400A@125V AC 100A@250V AC	•	○
1700	7.00A		462	14.5		•	•
1800	8.00A		503	13.11		•	○
2100	10.00A		650	7.00		•	•
2150	15.00A	2209	4.00			•	•

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 8A PSE certification only by 125V; the 10A PSE certification only by 250V.

(3) 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
512			

