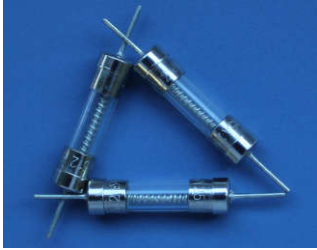
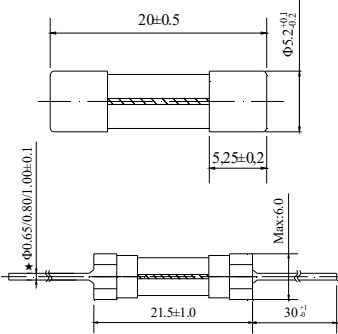


512 Miniature Cartridge Fuse



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

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

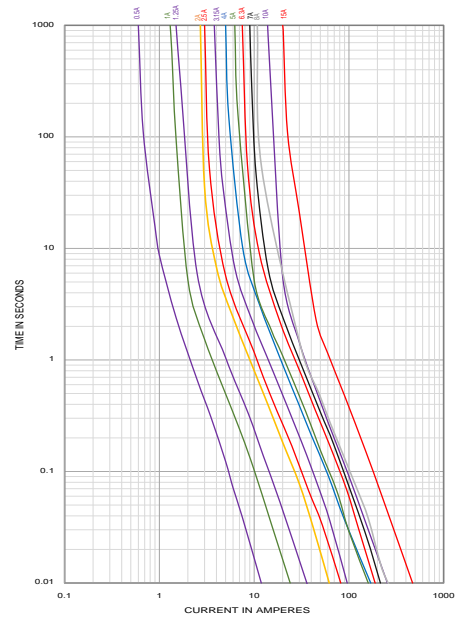
260°C. ≤5 sec (Wave Soldering)

350°C. ≤3 sec (Hand Soldering)

Soldering Peak:

260°C. 10 sec. (IEC 60068-20)

Average Current Curve (I-T Curve)



Time vs Current Characteristics: UL 248-14

Rated Current	100%	135%	200%
500mA~15A	>4h	<1h	5s~120s



Electrical Characteristics at 25°C

Amp	Rated Current	Rated Voltage	Nominal Melting I ² t(A ² 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	10kA@125V AC 100A@250V AC	•	○
1125	1.25A		9.92	170		•	○
1160	1.60A		24.50	120		•	○
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		•	○
1700	7.00A		462	14.5		•	○
1800	8.00A		503	13.11	400A@125V AC 100A@250V AC	•	•
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 I²T should be within the standard range of 8ms ~ 10ms.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
512			