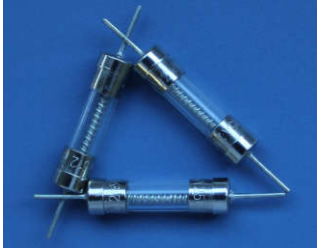


512 Miniature Cartridge Fuse



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%

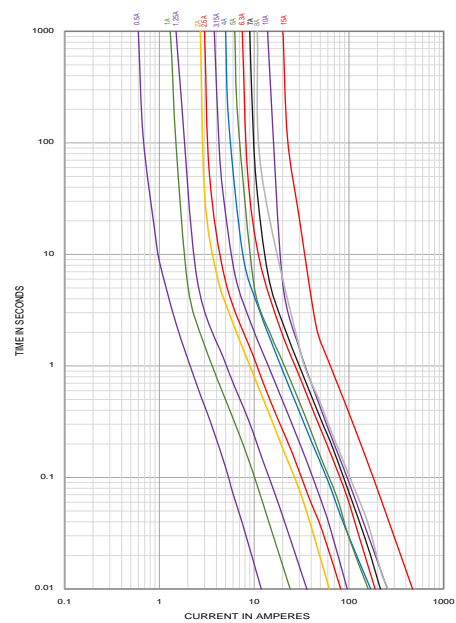
Vibration Resistance

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

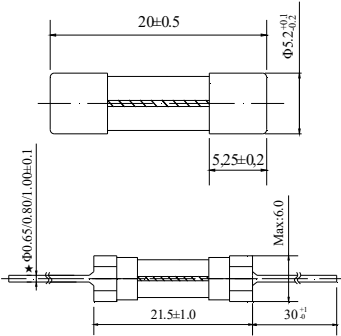
Soldering Parameters

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)



Dimensions (unit in mm)



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

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 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		●	○
1125	1.25A		9.92	170		●	○
1160	1.60A		24.50	120	●	○	
1200	2.00A		38.44	71.5	10kA@125V AC 100A@250V AC	●	○
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	400A@125V AC 100A@250V AC	●	○
1630	6.30A		357	16.3		●	○
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 I²t should be within the standard range of 8ms ~ 10ms.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
512			