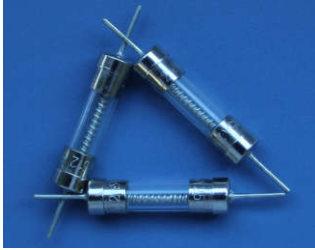
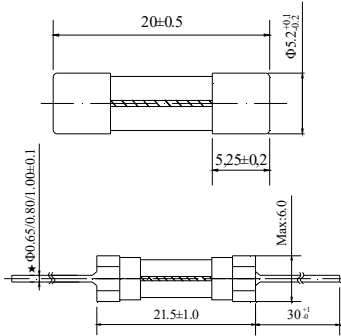


512 Miniature Cartridge Fuse



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

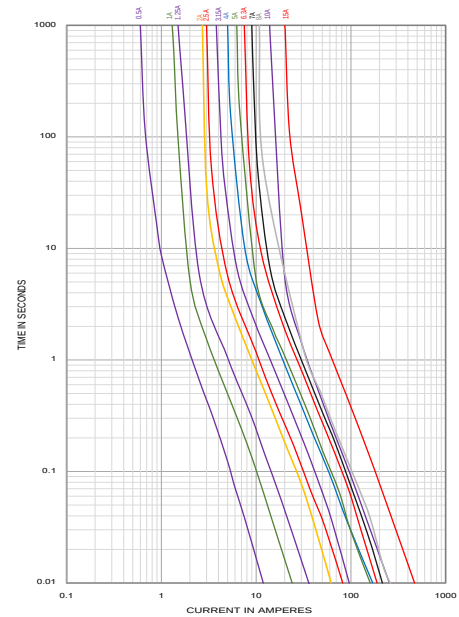
260°C. ≤5 sec (Wave Soldering)

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		●	○
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		●	○
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			



Sales Contact

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Technical Support

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National High-tech Enterprise
SC 32C National Technical
Committee Member of China
Intertek ISO 9001 Certified Company
Intertek ISO 14001 Certified Company
Intertek QC 080000 Certified Company
NQA IATF 16949 Certified Company

国家高新技术企业
SC 32C 国内专家组成员单位
ISO 9001 认证企业
ISO 14001 认证企业
QC 080000 认证企业
IATF 16949 认证体系