

524 Miniature Cartridge Fuse



Main Characteristics

Miniature Cartridge fuse; Time-Lag (T)

Standard

IEC 60127-2/V

Materials

Tube: Ceramic

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

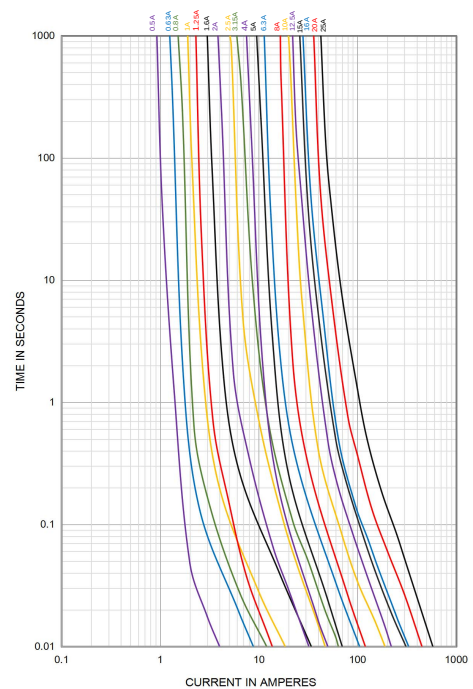
260°C. ≤5 sec (Wave Soldering)

350°C. ≤3 sec (Hand Soldering)

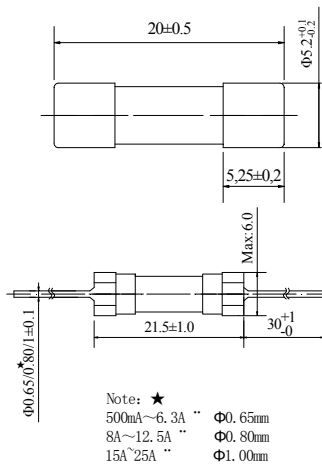
Soldering Peak:

260°C. 10 sec. (IEC 60068-20)

Average Current Curve (I-T Curve)



Dimensions (units in mm)



Time vs Current Characteristics: IEC 60127-2/V

Rated Current	150%	210%	275%	400%	1000%
500mA~800mA	>1h	<30min	250ms~80s	50ms~5s	5ms~150ms
1.00A~3.15A	>1h	<30min	750ms~80s	95ms~5s	10ms~150ms
4.00A~10.00A	>1h	<30min	750ms~80s	150ms~5s	10ms~150ms
12.00A~25.00A	>30min	<30min	750ms~80s	150ms~8s	10ms~150ms



Electrical Characteristics at 25°C

Amp	Rated Current	Rated Voltage	Max Voltage Drop (mV)	Max. Power Dissipation (W)	Typical Cold Resistance (mΩ)	Nominal Melting I ² t (A ² sec)	Breaking Capacity	Approvals								
								VDE	CCC	cURus	PSE	CQC	TUV	KC	BSI	SEMKO
0500	500mA	125V AC 250V AC	850	1.6	450	0.16	10KA@125V AC 1500A@250V AC	•	•	•	•	•	•	•	•	•
0630	630mA		650	1.6	320	0.774		•	•	•	•	•	•	•	•	•
0800	800mA		500	1.6	230	1.44		•	•	•	•	•	•	•	•	•
1100	1.00A		350	2.5	150	3.42		•	•	•	•	•	•	•	•	•
1125	1.25A		300	2.5	125	1.86		•	•	•	•	•	•	•	•	•
1160	1.60A		200	2.5	65.0	5.76		•	•	•	•	•	•	•	•	•
1200	2.00A		190	2.5	56.5	4.84		•	•	•	•	•	•	•	•	•
1250	2.50A		180	2.5	40.0	9.61		•	•	•	•	•	•	•	•	•
1315	3.15A		140	4	30.0	15.21		•	•	•	•	•	•	•	•	•
1400	4.00A		100	4	23.0	25		•	•	•	•	•	•	•	•	•
1500	5.00A		100	4	15.0	49		•	•	•	•	•	•	•	•	•
1630	6.30A		100	4	12.1	110		•	•	•	•	•	•	•	•	•
1800	8.00A		100	4	8.70	144		•	•	•	•	•	•	•	•	•
2100	10.00A		100	4	6.80	361		•	•	•	•	•	•	•	•	•
2120	12.00A		100	4	5.40	462		•	•	•	•	•	•	•	•	•
2125	12.50A		100	4	5.00	484		•	•	•	•	•	•	•	•	•
2150	15.00A		100	4	3.80	992		•	•	•	•	•	•	•	•	•
2160	16.00A		100	4	3.44	1090		•	•	•	•	•	•	•	•	•
2200	20.00A		100	4	2.40	2025	400A@125V AC 200A@250V AC	•	•	•	•	•	•	•	•	•
2250	25.00A		100	4	1.90	3364		•	•	•	•	•	•	•	•	•

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 others 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
524			



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