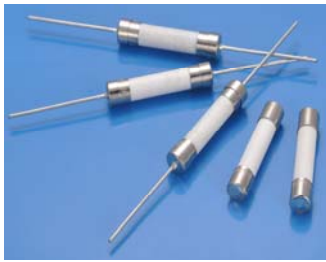


614 Miniature cartridge Fuse



Main Characteristics
Miniature cartridge fuse; Time-Lag(T)

Standard

UL-248-14

Materials

Tube: Ceramic 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%

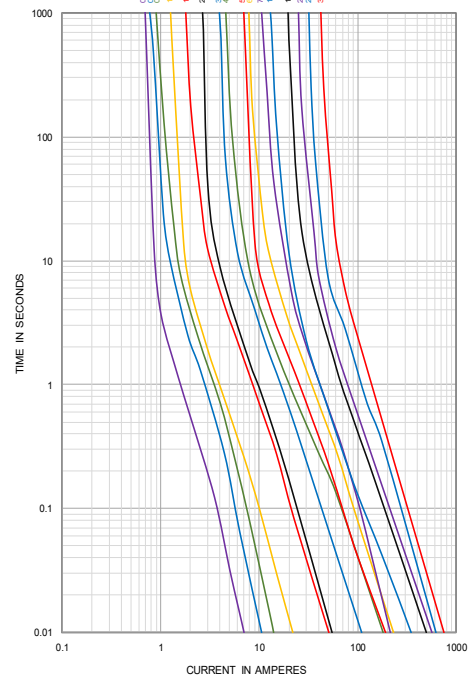
Vibration Resistance

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

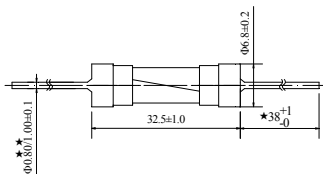
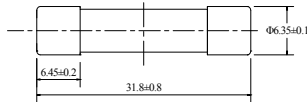
Soldering Parameters

260°C. ≤5 sec (Wave Soldering)
350°C. ≤3 sec (Hand Soldering)
Soldering Peak:
260°C. 10 sec. (IEC 60068-20)

Average Time Current(I-T Curve)



Dimensions (unit: mm)



★500mA~12.5A Φ0.8mm
15A~30A Φ1.0mm

Time vs Current Characteristics: UL248-14

Rated Current	100%	135%	200%
500mA~30A	>4h	<1h	5s~60s



Electrical Characteristics at 25°C

Amp	Rated Current	Rated voltage	Typical Cold Resistance (mΩ)	Nominal Melting I ² t(A ² sec)	Breaking Capacity	Approvals				
						CQC	TUV	cULus	cURus	PSE
0500	500mA	125V AC 250V AC	1000	0.49	10KA/125V AC 35A/250V AC	○	●	●	○	○
0630	630mA		840	1.10		○	●	●	○	○
0800	800mA		517	1.96		○	●	●	○	○
1100	1.00A		353	4.84	10KA/125V AC 100A/250V AC	○	●	●	○	○
1125	1.25A		228	6.76		○	●	●	○	○
1160	1.60A		210	28.62		○	●	●	○	○
1200	2.00A		123.3	30.25		○	●	●	○	○
1250	2.50A		85.0	47.61		○	●	●	○	○
1300	3.00A		80.23	121		○	●	●	○	○
1315	3.15A		76.46	132		○	●	○	○	○
1400	4.00A		37.5	324		○	●	○	●	○
1500	5.00A		34.0	361		○	●	○	●	○
1600	6.00A		28.5	462		○	●	○	●	○
1800	8.00A		12.6	676		○	●	○	●	○
2100	10.00A		8.10	1190		●	●	○	●	○
2120	12.00A		6.80	1640	○	●	○	●	○	
2150	15.00A		5.20	2500	○	●	○	●	○	
2160	16.00A		5.00	2601	●	○	○	●	○	
2200	20.00A		3.90	5700	●	●	○	●	●	
2250	25.00A		2.55	10680	○	●	○	●	●	
2300	30.00A		2.00	16700	○	●	○	●	●	

Note: (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
(2) The PSE certification only by 250V, and the breaking capacity is 100A.
(3) The current values used for calculating I²t should be within the standard range of 8ms ~ 10ms.
For 20A~30A, the current values used for calculating I²t should be at 10In.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
614			



Sales Contact
sls01@betterfuse.com

Technical Support
Kenny@betterfuse.com

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