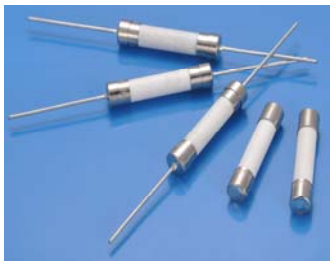
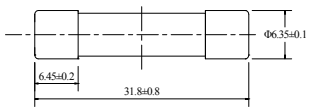
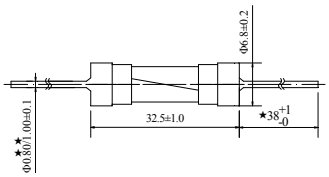
614 Miniature cartridge Fuse



Dimensions (unit: mm)





★500mA~12.5A Φ0.8mm

15A~30A Φ1.0mm

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℃ to +125℃

Storage Conditions

+10℃ to +60℃
Relative humidity:≤75% yearly average
Without dew, maximum 30 days at 95%

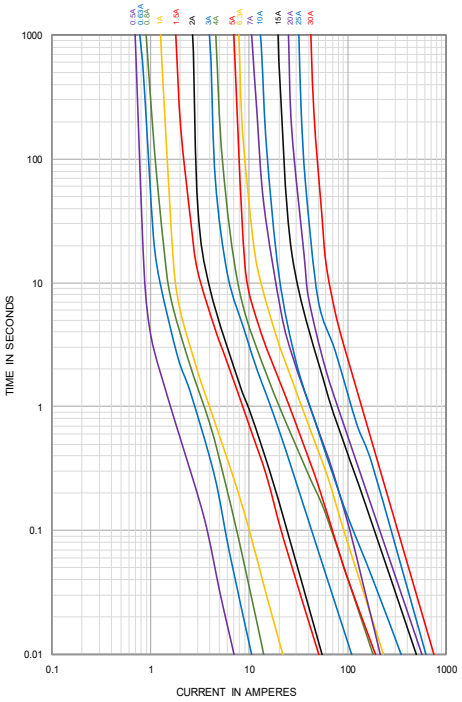
Vibration Resistance

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

Average Time Current(I-T Curve)



Time vs Current Characteristics: UL248-14			
Rated Current	100%	135%	200%
500mA~30A	>4h	<1h	5s~60s

Electrical Characteristics at 25℃

Amp	Rated Current	Rated voltage	Typical Cold Resistance (mΩ)	Nominal Melting I²t(A²sec)	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	10KA/125V AC 200A/250V AC	○	●	○	●	○
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	400A/125V AC 100A/250V AC	○	●	○	●	●
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			