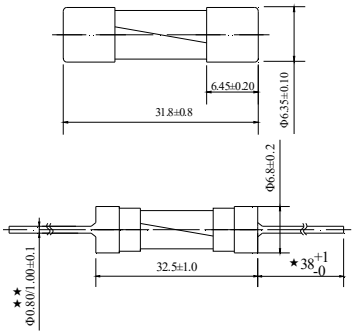
611 Miniature cartridge Fuse

Dimensions (unit: mm)



★:
Short lead: 30mm
★★:
500mA～12.5A：Φ0.80mm
15.0A～25.0A：Φ1.00mm

Main Characteristics

Miniature cartridge fuse; Fast-Acting (F)

Standard

UL 248-14 (IEC 60127-2)

Materials

Tube: Glass 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%

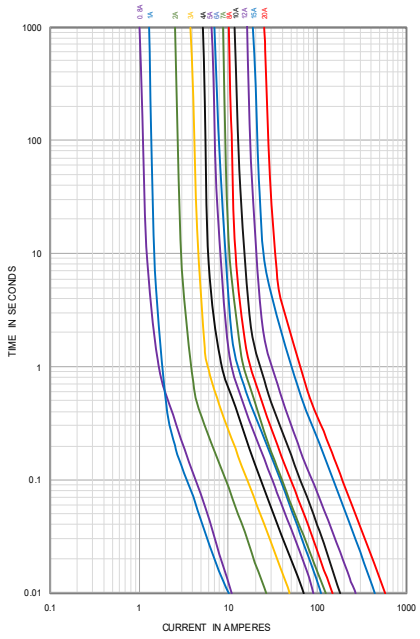
Vibration Resistance

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

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 J60127-2 GB/T9364.7							
Rated current	100%	110%	135%	200%	275%	400%	1000%
500mA~20A(UL)	>4h	/	<1h	<10s	/	/	/
12.5A/16A(GB)	>4h	/	/	<60s	20ms~3s	8ms~1s	≤150ms
15A/20A/25A(PSE)	/	>1h	<1h	<120s	/	/	/

Electrical Characteristics at 25℃

Amp	Ratede Current	Max. Voltage	Nominal Melting I²t(A²sec)	Typical Cold Resistance (mΩ)	Breaking Capacity	Approvals			
						PSE	CQC	cULus	cURus
0500	500mA	250V AC	0.49	430	10KA@125VAC 35A@250VAC	○	○	●	○
0630	630mA		0.81	310		○	○	○	○
0800	800mA		1.21	192		○	○	○	○
1100	1.00A		1.00	150	10KA@125VAC 100A@250VAC	○	○	●	○
1150	1.50A		2.10	93		○	○	●	○
1200	2.00A		7.29	68		○	○	●	○
1250	2.50A		11.2	45		○	○	●	○
1300	3.00A		24.0	36		○	○	●	○
1350	3.50A		34.8	29	10KA@125VAC 200A@250VAC	○	○	●	○
1400	4.00A		49.0	27.55		○	○	●	○
1500	5.00A		81.0	18.8		○	○	●	○
1600	6.00A		121	15.5		○	○	●	○
1700	7.00A		156	13.8		○	○	●	○
1800	8.00A		219	10.35		○	○	●	○
2100	10.00A		324	9.36		○	○	●	○
2120	12.00A		729	7.45		○	○	○	●
2150	12.50A		767	6.42		○	●	○	●
2150	15.00A		1936	4.20		●	○	○	●
2160	16.00A		2025	4.00		○	●	○	●
2200	20.00A		3600	3.30		●	○	○	●
2250	25.00A	125V AC	3844	2.92	300A@125VAC	●	○	○	○

Note: (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
(2) The cURus and cULus certification by 125V and 250V; the CQC certification by 250V; the PSE certification by 125V
(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
611			