

613 Miniature cartridge Fuse



Main Characteristics
Miniature cartridge fuse; Fast-Acting(F)

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%

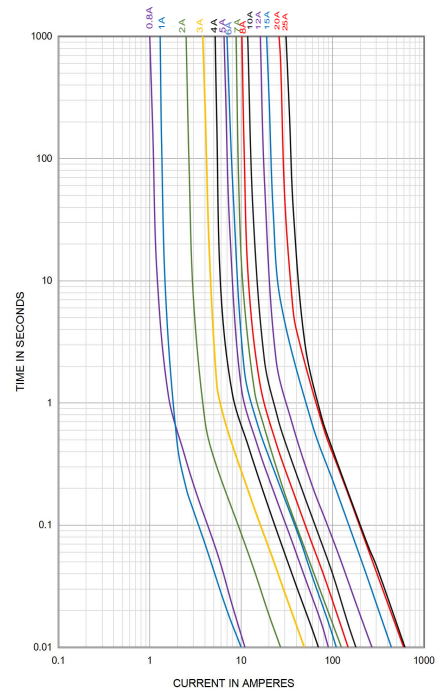
Vibration Resistance

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

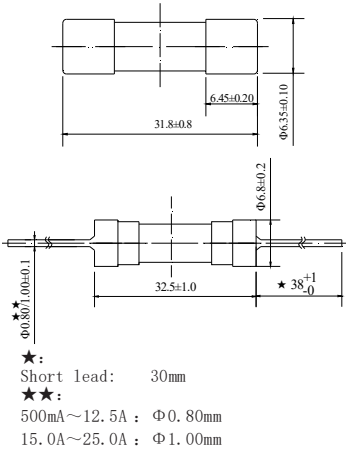
Soldering Parameters

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

Average Current Curve(I-T Curve)



Dimensions (unit:mm)



Time vs Current Characteristics:UL248-14 GB/T9364.7

Rated current	100%	135%	200%	275%	400%	1000%
500mA~25A(UL)	>4h	<1h	<10s	/	/	/
10A(GB)	>4h	/	<120s	50ms~10s	10ms~3s	≤100ms



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			
						cULus	cURus	PSE	CQC
0500	500mA	125VAC 250VAC	0.49	470	10KA/125V AC 35A/250V AC	●	○	○	○
0630	630mA		0.81	310		●	○	○	●
0800	800mA		1.21	192		●	○	○	○
1100	1.00A		1.00	150		●	○	○	○
1125	1.25A		1.44	97	10KA/125V AC 100A/250V AC	●	○	○	○
1150	1.50A		2.10	93		●	○	○	○
1200	2.00A		7.29	68		●	○	○	○
1250	2.50A		11.2	47.3		●	○	○	○
1300	3.00A		24.0	36.0		●	○	○	○
1315	3.15A		26.1	32.0		○	○	○	○
1400	4.00A		49	27.55		●	○	○	○
1500	5.00A		81	18.8		●	○	○	○
1600	6.00A		121	15.5	10KA/125V AC 200A/250V AC	●	○	○	○
1800	8.00A		219	11.5		●	○	○	○
2100	10.00A		324	9.06		●	○	○	●
2120	12.00A		729	6.94		○	●	○	○
2150	15.00A		1936	4.40	400A/125V AC 200A/250V AC	○	●	○	○
2160	16.00A		2025	4.00		○	●	○	○
2200	20.00A		3600	3.30		○	●	●	○
2250	25.00A		3844	2.92		○	●	○	○
					400A/125V AC;100A/250V AC	○	●	○	○

Notes: 1. Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
2. The current values used for calculating I²T should be within the standard range of 8ms ~ 10ms.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
613			



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