

683 Miniature cartridge Fuse



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

Standard

UL 248

Materials

Tube: Ceramic Tube
End Caps: Silver plated copper

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

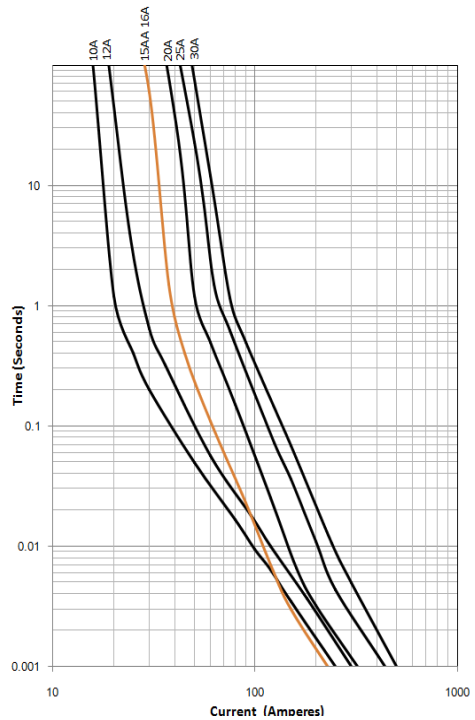
Soldering Parameters

260°C. ≤5 sec (Wave Soldering)

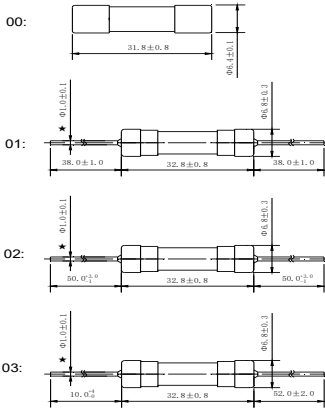
350°C. ≤3 sec (Hand Soldering)

Soldering Peak:

260°C. 10 sec. (IEC 60068-20)



Dimensions (unit: mm)



★ <15A : Φ 0.8mm
★ ≥15A : Φ 1.0mm

Time vs Current Characteristics: UL 248-14

Rated Current	200%	300%
10A~30A	<5min	<10s



Electrical Characteristics at 25°C

Amp Code	Rated Current	Rated Voltage	Breaking Capacity	Typical Voltage Drop(mV)	Typical Cold Resistance (mΩ)	Typical Melting I²T (A²s)	Approval	
							cURus	TUV
2100	10.00A	500VAC 500VDC	1KA@500VAC 1KA@500VDC	265	17.1	100	●	●
2120	12.00A			220	12.3	140	●	●
2150	15.00A			185	8.0	66	●	●
2160	16.00A			190	8.0	62	●	●
2200	20.00A			190	5.65	125	●	●
2250	25.00A			190	4.35	270	●	●
2300	30.00A			205	3.5	450	●	●

Note:

- (1) DC cold resistance are measured at <10% of rated current in ambient temperature of 25°C.
- (2) Typical pre-arcing I²t are measured at 10In current.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
683			



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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

