



682 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

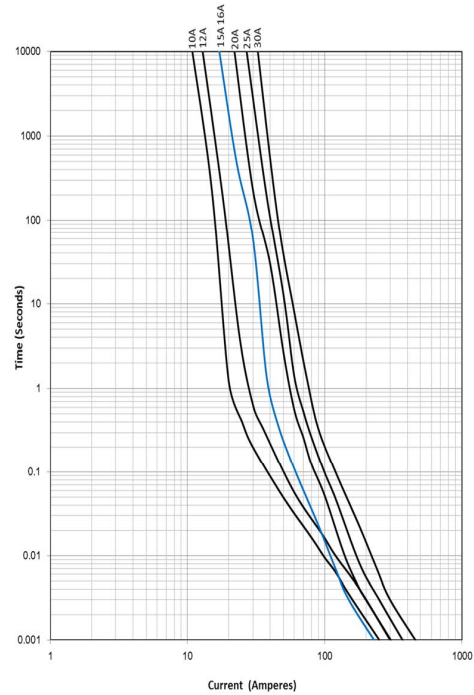
+10°C to +60°C
Relative humidity: ≤75% yearly average
Without dew, maximum 30 days at 95%

Vibration Resistance

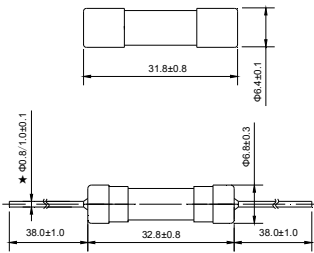
120 cycles in 1 direction at 1 min. each
10-55Hz, 3 directions(X, Y, Z) in total
According to MIL-STD-202 Method 201A

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)



- ★ 10~12A : Φ 0.8mm
- 15~30A : Φ 1.0mm

Time vs Current Characteristics: UL 248

Rated Current	150%	200%	300%
10A~30A	<30min	<5min	<10s



Electrical Characteristics at 25°C

Amp Code	Rated Current	Rated Voltage	Breaking Capacity	Typical Cold Resistance (mΩ)	Typical Melting I ² T (A ² s)	Approval	
						cURus	TUV
2100	10.00A	500VAC 500VDC	30KA@500VAC 20KA@500VDC	17.1	100	●	●
2120	12.00A			12.3	140	●	●
2150	15.00A			8.0	66	●	●
2160	16.00A			8.0	62	●	●
2200	20.00A			5.5	120	●	●
2250	25.00A			4.6	200	●	●
2300	30.00A			3.7	270	●	●

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
682			