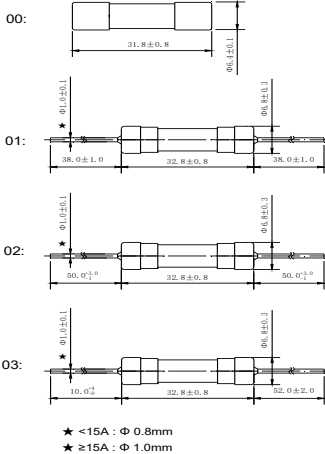


# 683 Miniature cartridge Fuse



Dimensions (unit: mm)



**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**

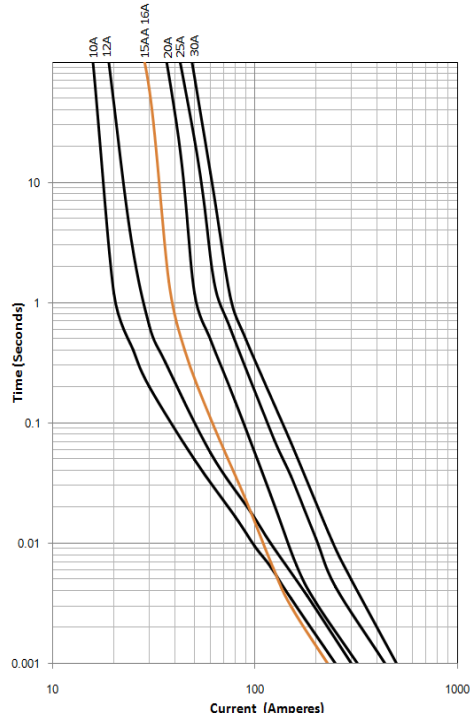
+10°C to +60°C  
Relative humidity: ≤75% yearly average  
Without dew, maximum 30 days at 95%

**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)



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			