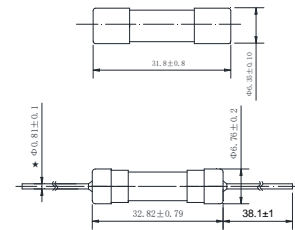


# 691 Miniature cartridge Fuse



★200mA-12A : Ø0.81mm

Dimensions (unit: mm)

Outer diameter of the ceramic tube: 5.43-5.75mm

## Main Characteristics

Miniature cartridge fuse; Fast-Acting(F)

## Standard

UL 248-1

## 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

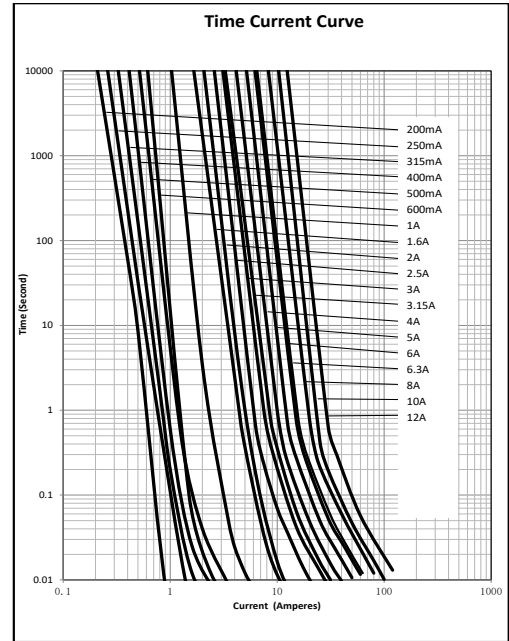
260°C. ≤5 sec (Wave Soldering)

350°C. ≤3 sec (Hand Soldering)

Soldering Peak:

260°C. 10 sec. (IEC 60068-20)

Average Time Current(I-T Curve)



Time vs Current Characteristics: UL 248-1

Rated Current	100%	250%
200mA~12A	>4H	<120s



Electrical Characteristics at 25°C

Amp Code	Rated Current	Rated Voltage	Typical Voltage Drop (mV)	Breaking Capacity	Typical Melting I²T (A²s)	Typical Cold Resistance (mΩ)	Approvals	
							cURus	TUV
0200	200mA	600V AC 600V DC	850	10KA@600V AC 10KA@600V DC	0.003	3900	•	•
0250	250mA		828		0.009	2755	•	•
0315	315mA		568		0.030	1900	•	○
0400	400mA		890		0.038	1875	•	•
0500	500mA		616		0.041	1160	•	•
0600	600mA		765		0.072	1035	•	•
1100	1.00A		553		0.230	450	•	○
1160	1.60A		307		0.890	160	•	○
1200	2.00A		381		1.28	155	•	○
1250	2.50A		275		3.91	89	•	○
1300	3.00A		218		7.74	64	•	○
1315	3.15A		230		9.92	60	•	○
1400	4.00A		223		15.5	44	•	○
1500	5.00A		221		26.5	33	•	○
1600	6.00A		214		41.8	26	•	○
1630	6.30A		230		47.0	25	•	○
1800	8.00A		203		76.8	18	•	○
2100	10.00A		242		101.4	16.8	•	•
2120	12.00A		233		187.2	12.8	•	○

### 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
691			