

691 Miniature cartridge Fuse



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%

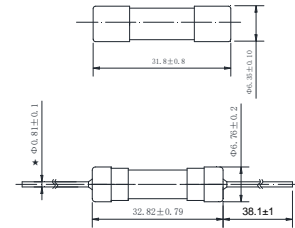
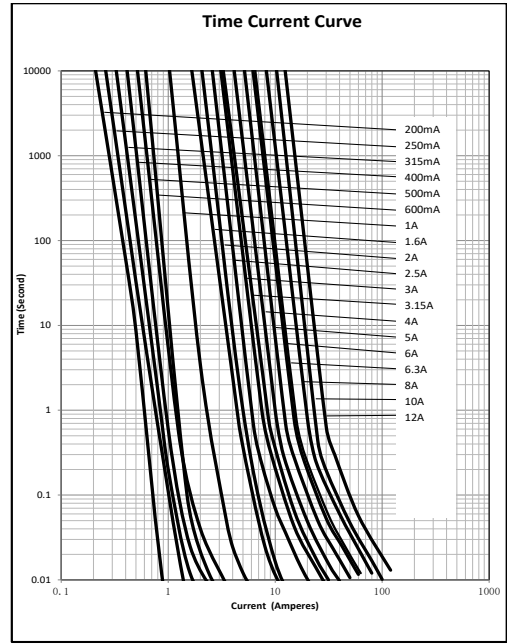
Vibration Resistance

24 cycles at 15 min. each (60068-6)
10-60Hz at 0.75mm amplitude
60-2000Hz at 10g acceleration

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)



*200mA-12A : Ø0.81mm

Dimensions (unit: mm)

Outer diameter of the ceramic tube: 5.43-5.75mm

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			



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