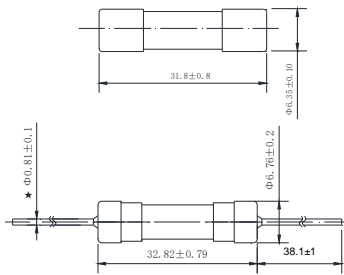




693 Miniature cartridge Fuse



Dimensions (unit: mm)



★200mA~2A : Φ0.81mm

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

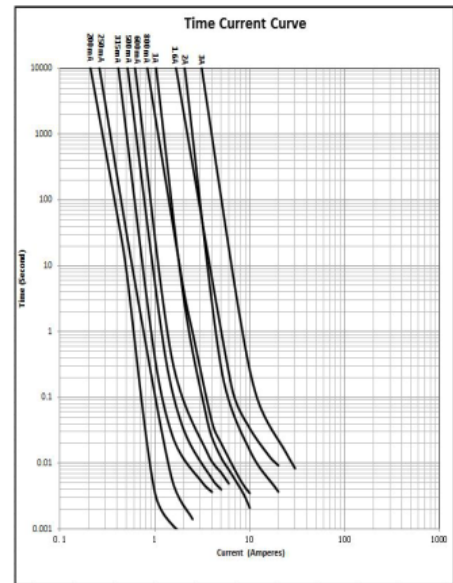
260°C. ≤ 5 sec (Wave Soldering)

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~3A	>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	1000V DC 1000V AC	916	10KA@1000VDC 10KA@1000VAC	0.0031	3900	●	●
0250	250mA		850		0.009	2755	●	●
0315	315mA		900		0.050	1875	●	○
0400	400mA		860		0.059	1845	●	●
0500	500mA		600		0.081	1160	●	●
0600	600mA		550		0.178	1030	●	●
0800	800mA		510		0.256	530	●	●
1100	1.00A		560		0.210	450	●	○
1125	1.25A		550		3.00	260	●	○
1160	1.60A		350		3.72	165	●	○
1200	2.00A		400		1.50	150	●	○
1250	2.50A		300		4.50	88	●	○
1300	3.00A		270		7.54	60	●	○

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
693			