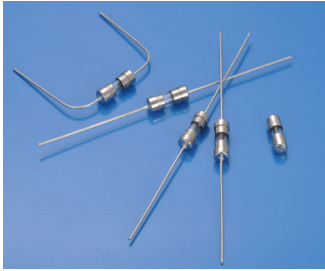


# 331 Fast-Acting Subminiature Fuse



**Main Characteristics**  
Axial subminiature fuse; Fast-Acting (F)

**Standard**  
IEC60127-3

**Materials**

Tube: Glass Tube  
End Caps: Nickel plated brass  
Axial Leads: Nickel plated caps  
Tin plated copper wires

**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%

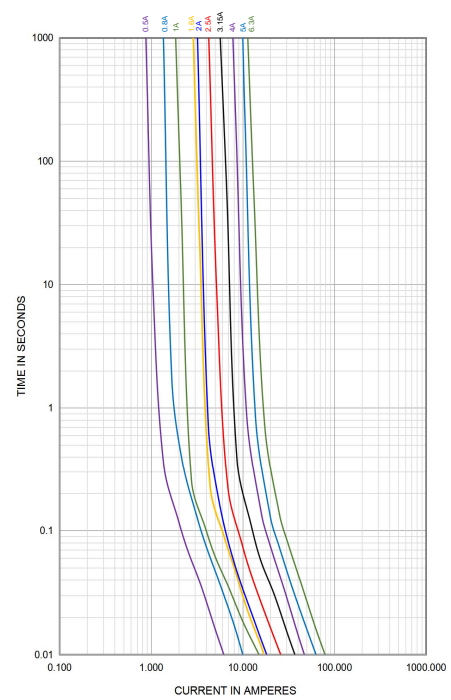
**Vibration Resistance**

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

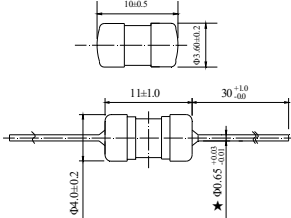
**Soldering Parameters**

260°C. ≤5 sec (Wave Soldering)  
350°C. ≤3 sec (Hand Soldering)  
**Soldering Peak:**  
260°C. 10 sec. (IEC 60068-20)

Average Current Curve(I-T Curve)



Dimensions(unit in mm)



★ 250mA~7A: φ0.65mm  
8A~10A: φ0.80mm

Time vs Current Characteristics:IEC60127-3					
Rated current	150%	210%	275%	400%	1000%
250mA~5A	>1h	<30min	10ms~3s	3ms~300ms	≤20ms
6.3A~10A	>1h	<30min	50ms~10s	5ms~400ms	≤20ms



**Electrical Characteristics at 25°C**

Amp	Rate de Current	Max Voltage Drop(mV)	Max.Power Dissipation (mW)	Typical cold Resistance (mΩ)	Nominal Melting I²t(A²sec)	Breaking Capacity	Approvals				
							cURus		PSE	TUV	CCC
							125V	250V	250V	250V	250V
0500	500mA	350	459	137.80	0.384	50A/125V AC 35A or 10In/250V AC	•	•	○	•	•
0630	630mA	320	529	95.25	0.656		•	•	○	•	•
0800	800mA	300	630	123.75	1.00		•	•	○	•	•
1100	1.00A	280	375	55.00	2.25		•	•	•	•	•
1125	1.25A	280	919	43.00	2.57		•	•	•	○	○
1160	1.60A	250	1050	37.80	2.89		•	•	•	•	•
1200	2.00A	240	1260	26.00	2.25		•	•	•	•	•
1250	2.50A	200	1313	19.90	6.75		•	•	•	•	•
1315	3.15A	180	1488	15.00	13.69		•	•	•	•	•
1400	4.00A	160	1680	11.22	22.09		•	•	•	•	•
1500	5.00A	150	1969	8.78	39.69		•	•	•	•	•
1630	6.30A	150	1969	7.00	62.41		•	•	○	•	•
1800	8.00A	150	1969	5.83	92.16	50A/125V AC 50A/250V AC	•	•	○	○	○
2100	10.00A	150	1969	4.80	156		•	•	○	○	○

**Note:** 1. Permissible continuous operating current is 100% at ambient temperature of 23°C (73.4°F)  
2. The current values used for calculating I²T should be within the standard range of 8ms ~ 10ms.

**Ordering Information**

Series	Amp Code	Supplementary Code	Qty
331			