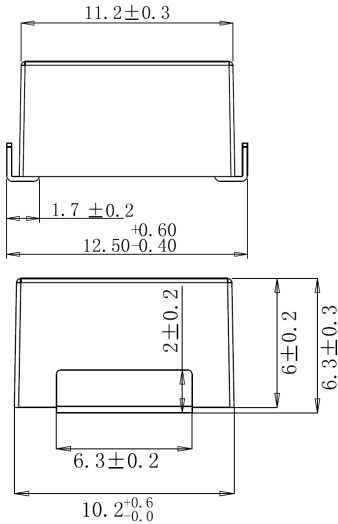
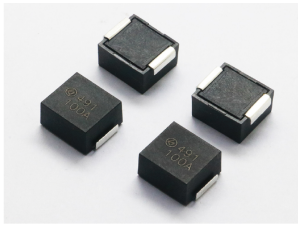


# 491 High current square Fuse



### Main Characteristics

Square fuse; Fast-acting(F)

### Standard

UL248-1

### Materials

Body: Thermoplastic  
End Caps: Tinned copper terminal

### Operating Temperature

-55°C to +125°C

### Stock Temperature

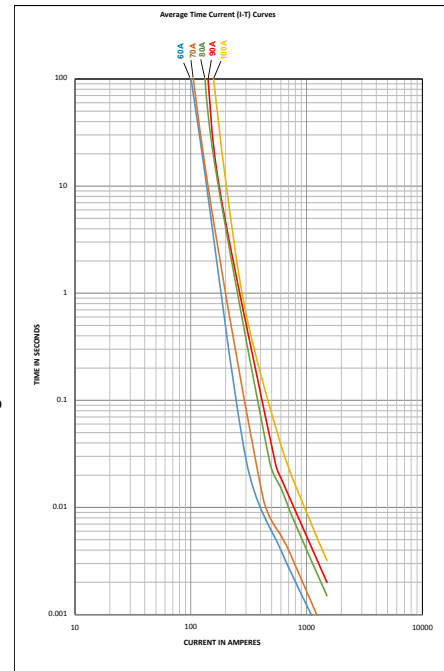
+10°C to +60°C  
Relative humidity: ≤75% yearly average  
Without dew, maximum 30 days at 95%

### 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. ≤10 sec (Wave Soldering)  
300°C. ≤2 sec (Hand Soldering)  
Soldering Peak:  
260°C. 10 sec.  
280°C. 5 sec. (IEC 60068-20)



Dimensions(unit:mm)

### Time vs Current Characteristics: UL-248-1

Rated Current	100%	200%
60A~100A	>1H	<60s



## Electrical Characteristics

Amp Code	Rated Current	Max Voltage	max. Voltage Drop (mV)	Breaking Capacity	Typical Melting I <sup>2</sup> t(A <sup>2</sup> sec)	Typical cold Resistance (mΩ)	Approval
							cURus
2600	60A	75V DC 100V DC	70	1500A@75V DC 1000A@100V DC	1125	0.75	•
2700	70A		72		1350	0.73	•
2800	80A		75		3375	0.55	•
2900	90A		80		4500	0.54	•
3100	100A		83		7200	0.46	•

**Note:** (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)  
(2) I<sup>2</sup>t is calculated at test time in 1500A current.

### Ordering Information

Series	Amp Code	Supplementary Code	Qty
491			