

527 Miniature Cartridge Fuse



Main Characteristics

Miniature Cartridge fuse; Fast-Acting (F)

Standard

GB/T9364.7

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%

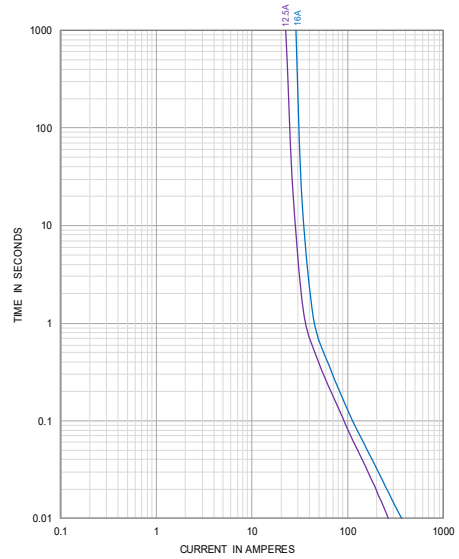
Vibration Resistance

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

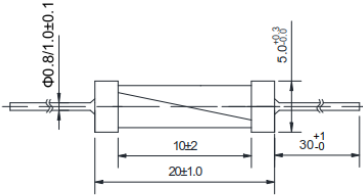
Soldering Parameters

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) Curves



Dimensions (units: mm)



Note: ★
≤12.5A: Φ0.80mm
>12.5A: Φ1.00mm

Time vs Current Characteristics: GB/T9364.7

Rated current	150%	210%	275%	400%	1000%
12.5A~16A	>30min	<30min	50ms~3s	10ms~600ms	≤80ms



Electrical Characteristics at 25°C

Amp Code	Rated Current	Rated Voltage	Max. Voltage Drop(mV)	Max. Power Dissipation (W)	Typical Cold Resistance (mΩ)	Nominal Melting I ² t (A ² sec)	Breaking Capacity	Approvals
								CQC
2125	12.50A	250V AC	93.00	1.1	3.8	702.25	125A@250V AC	•
2160	16.00A		68.75	1.1	3.0	1332.3	160A@250V AC	•

- 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
527			