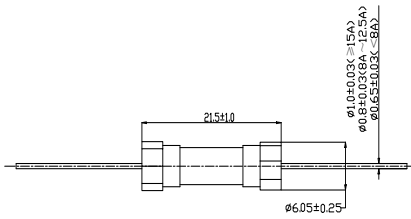
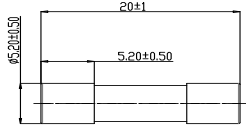


# 529 Miniature Cartridge Fuse



Dimensions (unit: mm)



## Main Characteristics

Miniature Cartridge fuse; Fast-Acting Standard

UL248-14 IEC60127-7

## 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%

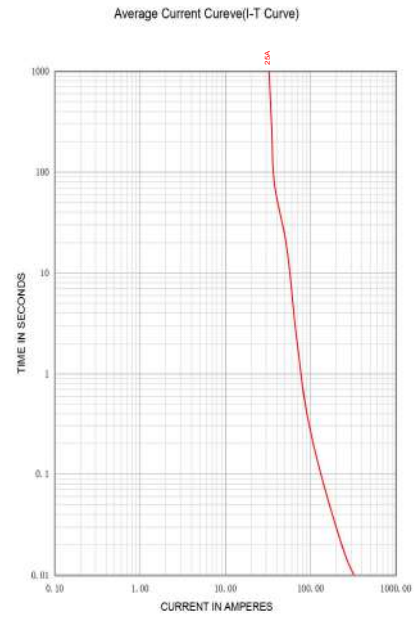
## Vibration Resistance

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)



Time vs Current Characteristics: UL 248-14

| Rated Current | 100% | 210%   | 275%     | 400%    | 1000% |
|---------------|------|--------|----------|---------|-------|
| 25A           | >1h  | <30min | 40ms~20s | 10ms~1s | ≤30ms |



Electrical Characteristics at 25°C

| Amp Code | Rated Current | Rated Voltage | Cold Resistance value (mΩ) | Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec) | Breaking Capacity | Approvals |     |
|----------|---------------|---------------|----------------------------|---|-------------------|-----------|-----|
|          |               |               |                            |   |                   | cURus     | TUV |
| 2500     | 25.00A        | 420V AC / DC  | 2.35~4.36                  | 1031  | 300A@420V AC / DC | •         | •   |

**Notes:** (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)  
(2) Typical pre-arcing I<sup>2</sup>t are measured at 10I<sub>n</sub> current.

## Ordering Information

| Series | Amp Code | Supplementary Code | Qty |
|--------|----------|--------------------|-----|
| 529    |          |                    |     |

