

# 241 Brick Fuse



## Main Characteristics

Brick fuse; Fast-Acting(F)

## Standard

UL248-14

## Materials

Body: Ceramic

End Caps: Copper plated with silver

## 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)

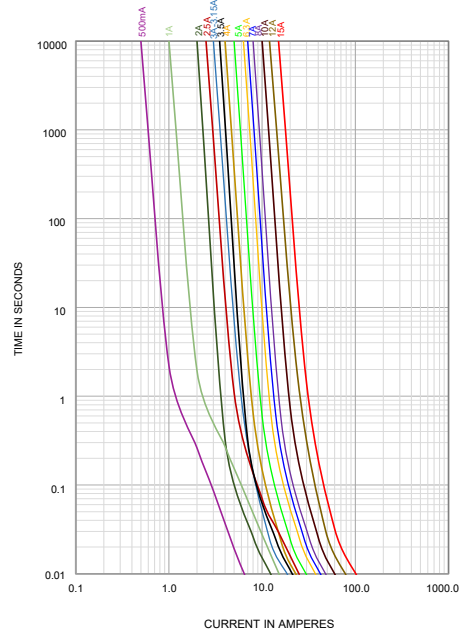
350°C. ≤3 sec (Hand Soldering)

Soldering Peak:

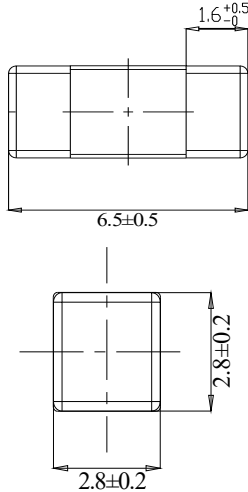
260°C. 10 sec.

280°C. 5 sec. (IEC 60068-20)

Average Current Curve(I-T Curve)



Dimensions(unit:mm)



Time vs Current Characteristics: UL248-14

| Rated Current | 100% | 200% |
|---------------|------|------|
| 2A~15A        | >4h  | <5s  |



| Electrical Characteristics at 25°C |               |                    |                                 |                                  |  |                              |           |   |
|------------------------------------|---------------|--------------------|---------------------------------|----------------------------------|--|------------------------------|-----------|---|
| Amp Code                           | Rated Current | Rated Voltage      | Breaking Capacity               | Typical Voltage Drop (mV)        | Nominal Melting I <sup>2</sup> t(A <sup>2</sup> sec) | Typical Cold Resistance (mΩ) | Approvals |   |
|                                    |               |                    |                                 |                                  |  |                              | cURus     |   |
| 0500                               | 500mA         | 125V AC<br>125V DC | 50A @ 125V AC<br>300A @ 125V DC | 250                              | 0.48   | 281.1                        | ●         |   |
| 1100                               | 1.0A          |                    |                                 | 200                              | 2.80   | 103.1                        | ●         |   |
| 1200                               | 2.0A          |                    |                                 | 110                              | 1.45   | 26.72                        | ●         |   |
| 1250                               | 2.5A          |                    |                                 | 110                              | 6.17   | 17.86                        | ●         |   |
| 1300                               | 3.0A          |                    |                                 | 110                              | 3.09   | 18.01                        | ●         |   |
| 1315                               | 3.15A         |                    |                                 | 110                              | 3.11   | 17.98                        | ●         |   |
| 1350                               | 3.50A         |                    |                                 | 110                              | 4.08   | 15.48                        | ●         |   |
| 1400                               | 4.0A          |                    |                                 | 110                              | 5.12   | 12.81                        | ●         |   |
| 1500                               | 5.0A          |                    |                                 | 110                              | 8.68   | 10.04                        | ●         |   |
| 1630                               | 6.3A          |                    |                                 | 63A @ 125V AC<br>300A @ 125V DC  | 110  | 13.5                         | 8.09      | ● |
| 1700                               | 7.0A          |                    |                                 | 70A @ 125V AC<br>300A @ 125V DC  | 110  | 17.5                         | 7.30      | ● |
| 1800                               | 8.0A          |                    |                                 | 80A @ 125V AC<br>300A @ 125V DC  | 110  | 22.8                         | 6.35      | ● |
| 2100                               | 10.0A         |                    |                                 | 100A @ 125V AC<br>300A @ 125V DC | 110  | 35.3                         | 5.10      | ● |
| 2120                               | 12.0A         |                    |                                 | 50A@125V AC<br>50A@125V DC       | 110  | 63.4                         | 4.10      | ● |
| 2150                               | 15.0A         |                    |                                 |                                  | 110  | 102.8                        | 3.14      | ● |

**Note:** (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)  
 (2) The current values used for calculating I<sup>2</sup>T should be within the standard 10I<sub>n</sub>.

## Ordering Information

| Series | Amp code | Supplementary Code | Qty |
|--------|----------|--------------------|-----|
| 241    |          |                    |     |