

# 249 Brick Fuse



Dimensions(unit: mm)

## Main Characteristics

Brick Fuse; Very Fast-acting(VF)

## Standard

UL 248-1

## 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)

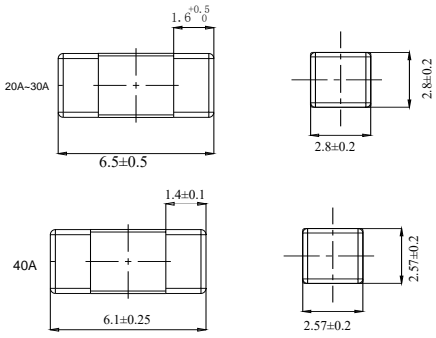
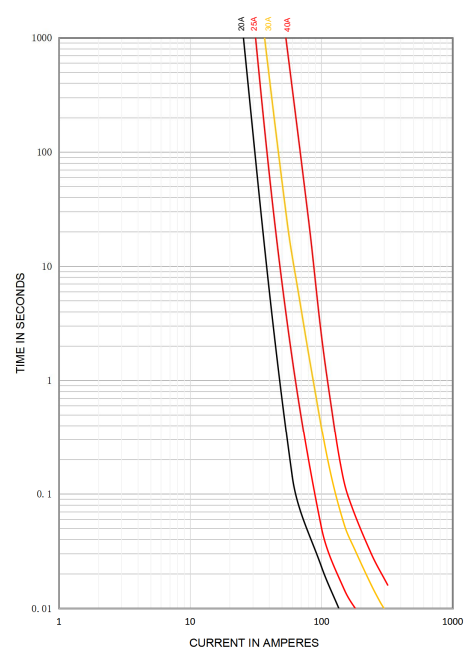
Soldering Peak:

260°C. 10 sec.

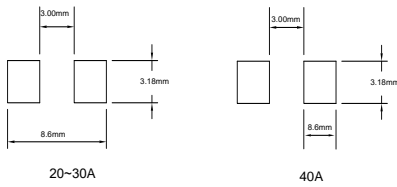
280°C. 5 sec. (IEC 60068-20)

## Average Time Current(I-T Curve)

Average Current (I-T) Curve



## Recommended Pad Layout :



Note: Minimum copper layer thickness = 100um.

Recommend solder thickness is 0.15mm.

Time vs Current Characteristics: UL 248-1

Rated Current	100%	200%
20A~40A	>4h	<60s



## Electrical Characteristics at 25°C

Amp Code	Rated Current	Max 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
2200	20.00A	72V DC	500A @ 72V DC	100	220	1.98	●
2250	25.00A			70	420	1.53	●
2300	30.00A			60	990	1.25	●
2400	40.00A	63V DC	500A @ 63V DC	50	1600	0.90	●

Note: (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 10In current.

## Ordering Information

Series	Amp Code	Supplementary Code	Qty
249			



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Intertek ISO 14001 Certified Company  
Intertek QC 080000 Certified Company  
NQA IATF 16949 Certified Company

国家高新技术企业  
SC 32C 国内专家组成员单位  
ISO 9001 认证企业  
ISO 14001 认证企业  
QC 080000 认证企业  
IATF 16949 认证体系