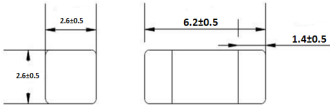


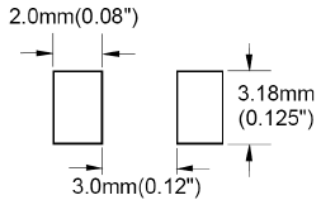
249 Brick Fuse



Dimensions(unit: mm)



Recommended Pad Layout :



Note: Minimum copper layer thickness = 100um.

Recommend solder thickness is 0.15mm.

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

24 cycles at 15 min. each (60068-6)

10-60Hz at 0.75mm amplitude

60-2000Hz at 10g acceleration

Soldering Parameters

260°C. ≤10 sec (Wave Soldering)

350°C. ≤3 sec (Hand Soldering)

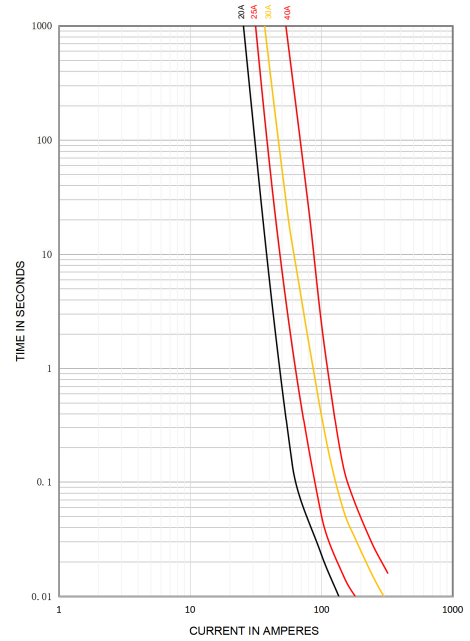
Soldering Peak:

260°C. 10 sec.

280°C. 5 sec. (IEC 60068-20)

Average Time Current(I-T Curve)

Average Current (I-T) Curve



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 ² t(A ² 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 I²t are measured at 10In current.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
249			



Sales Contact
s1s01@beterfuse.com

Technical Support
Kenny@betterfuse.com

National High-tech Enterprise
SC 32C National Technical
Committee Member of China
Intertek ISO 9001 Certified Company
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