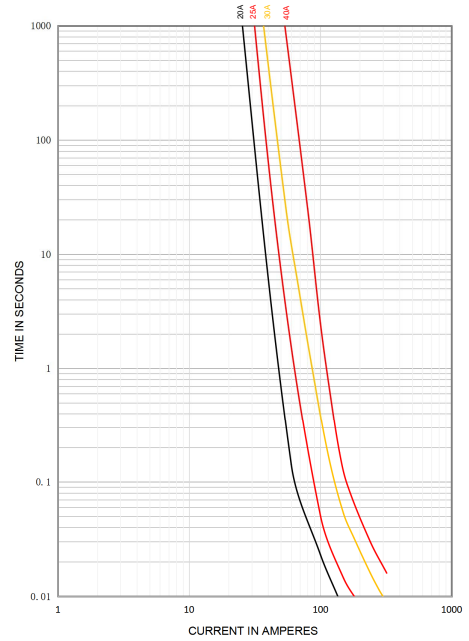


249 Brick Fuse

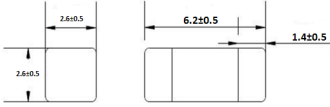


Average Time Current(I-T Curve)

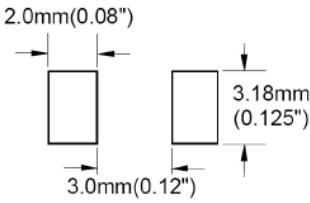
Average Current (I-T) Curve



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)

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			