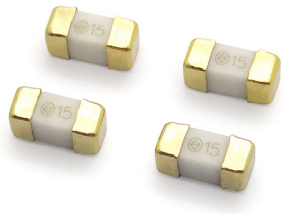
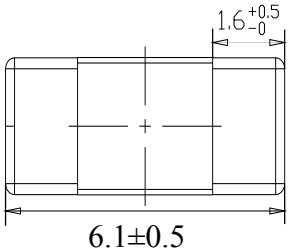
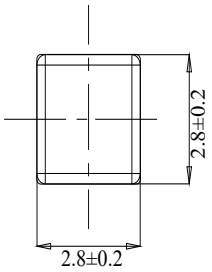
243 Brick Fuse



Dimensions(unit:mm)





Main Characteristics

Brick Fuse;Fast-acting(F)

Standard

UL248-14

Materials

Body: Ceramic

End Caps:Copper plated with gold

Operating Temperature

-55℃ to +125℃

Stock Temperature

+10℃ to +60℃

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℃.≤10 sec (Wave Soldering)

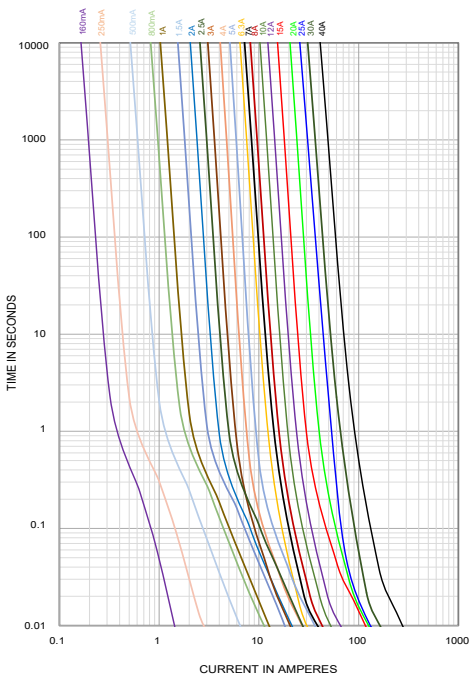
350℃.≤3 sec (Hand Soldering)

Soldering Peak:

260℃. 10 sec.

280℃. 5 sec. (IEC 60068-20)

Average Time Current (I-T) Curves



Time vs Current Characteristics: UL248-14		
Rated Current	100%	200%
100mA~40A	>4h	<5s

cULus RoHS HF

Electrial Characteristics at 25℃

Amp Code	Rated Current	Rated Voltage	Typical Voltage Drop Max(mV)	Breaking Capacity	Typical Melting I2T(A2s)	Typical Cold Resistance (mΩ)	Approvals	
							cURus	TUV
0160	160mA	86/100/125V DC 125/250V AC	800	10KA@86VDC 50A@250VAC 300A@125VDC	0.015	2254.0	●	●
0250	250mA		500		0.083	799.3	●	●
0500	500mA		250		0.480	274.8	●	●
0630	630mA		250		0.960	185.0	●	●
0800	800mA		200		1.4	128.3	●	●
1100	1.00A		200		1.8	97.1	●	●
1150	1.50A		200		3.7	60.0	●	○
1200	2.00A		150		4.7	37.0	●	●
1250	2.50A		150		7.7	28.6	●	●
1300	3.00A		150		3.7	22.1	●	○
1400	4.00A		150		6.1	16.25	●	●
1500	5.00A		150		11.9	13.79	●	●
1630	6.30A		100		8.3	9.19	●	●
1700	7.00A		100		12.5	8.68	●	○
1800	8.00A		100		16.2	6.88	●	●
2100	10.0A		100		23.3	5.57	●	○
2120	12.0A		100		39.3	4.52	●	○
2150	15.0A	86/100/125V DC	100	10KA@86VDC 300A@125VDC	130.5	3.86	●	○
2160	16.0A		100		73.7	3.38	●	○
2200	20.0A		100		140.0	2.53	●	○
2250	25.0A		100	300A@125VDC 500A@86VDC/100VDC	170.6	2.10	●	○
2300	30.0A		100		270.0	1.65	●	○
2320	32.0A		100		297.0	1.60	●	○
2400	40.0A		100		724.8	1.13	●	○

Note: (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
(2) The current values used for calculating I2T should be within the standard 10In.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
243			