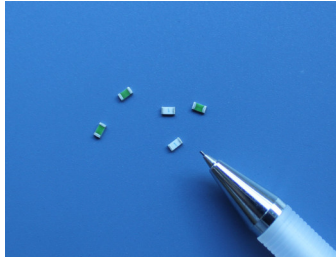
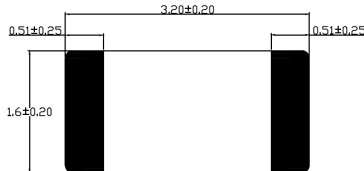


121 Chip Fuse



Dimensions (unit: mm)

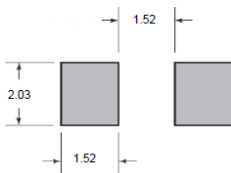
Top view



Side view



Recommended land pattern



Main Characteristics

Chip fuse; Fast-Acting(F)

Standard

UL248-14

Materials

Substrate: Ceramic

Termination: Silver over-plated with
nickel and Tin

Operating Temperature

-55°C to +150°C

Storage Conditions

+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)

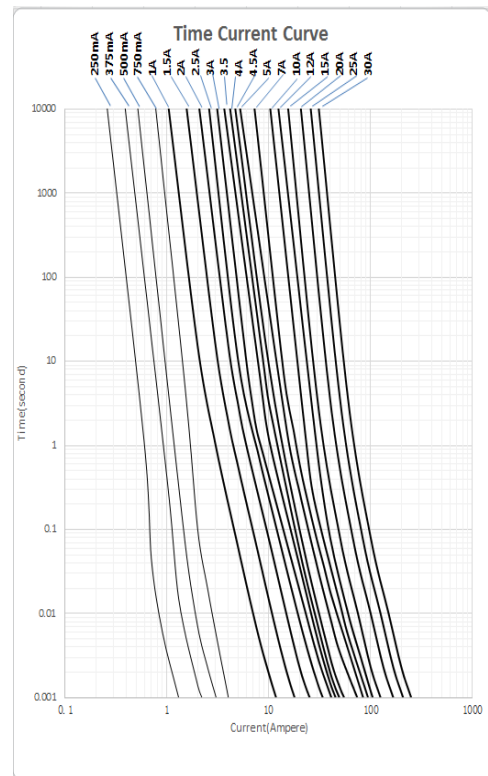
350°C. ≤3 sec (Hand Soldering)

Soldering Peak:

260°C. 10 sec.

280°C. 5 sec. (IEC 60068-20)

Average Time Current(I-T Curve)



Time vs Current Characteristics: UL248-14

Rated current	100%	250%	350%
250mA~3.5A	>4h	<5s	/
4A~30A	>4h	/	<5s



Electrical Characteristics at 25°C

Amp Code	Rated Current	Rated Voltage	Typical Voltage Drop (mV)	Breaking Capacity	Typical Melting I²T (A²s)		Typical Cold Resistance (mΩ)	Alpha Mark	Approvals
					AC	DC			cURus
0250	250mA	32V AC 63V DC	1400	50A @ 32V AC 50A @ 63V DC	0.00022	0.00043	3525	0.25	•
0375	375mA		715		0.0013	0.00085	1750	E	•
0500	500mA		645		0.0016	0.0023	975	0.5	•
0750	750mA		615		0.0039	0.0058	545	0.75	•
1100	1.00A		200		0.0135	0.0064	210	1	•
1150	1.50A		173		0.047	0.028	115	1.5	•
1200	2.00A		162		0.125	0.093	65	2	•
1250	2.50A		145		0.191	0.155	44.5	2.5	•
1300	3.00A		115		0.447	0.328	34	3	•
1350	3.50A		108		0.406	0.289	24.5	3.5	○
1400	4.00A	32V AC 32V DC	95	50A @ 32V AC 50A @ 32V DC	0.185	0.228	17.5	4	•
1450	4.50A		85		0.555	0.479	15.5	4.5	•
1500	5.00A		90		0.665	0.568	13.5	5	•
1700	7.00A		72		2.495	3.195	7.0	7	•
2100	10.00A	24V DC	58	150A @24V DC	/	2.165	4.75	10	•
2120	12.00A		65		/	7.109	3.7	12	•
2150	15.00A		62		/	23.898	3.0	15	•
2200	20.00A		55		/	47.178	1.75	20	•
2250	25.00A		56		/	32.58	1.50	25	○
2300	30.00A		66		/	44.18	1.185	30	○

Note: (1) Permissible continuous operating current is 100% at ambient temperature of 23° C (73.4° F)

(2) DC cold resistance are measured at <10% of rated current in ambient temperature of 25°C.

(3) Typical pre-arcing I²t are measured at 10In current; ○ Certification in progress.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
121			