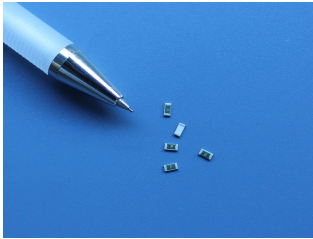
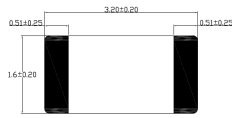


122 Chip Fuse



Dimensions (unit: mm)

Top view



Side view

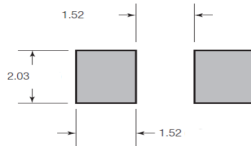
4.5A-30A



40A



Recommended land pattern



Main Characteristics

Chip fuse; Time-Lag(T)

Standard

UL 248-14

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

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)

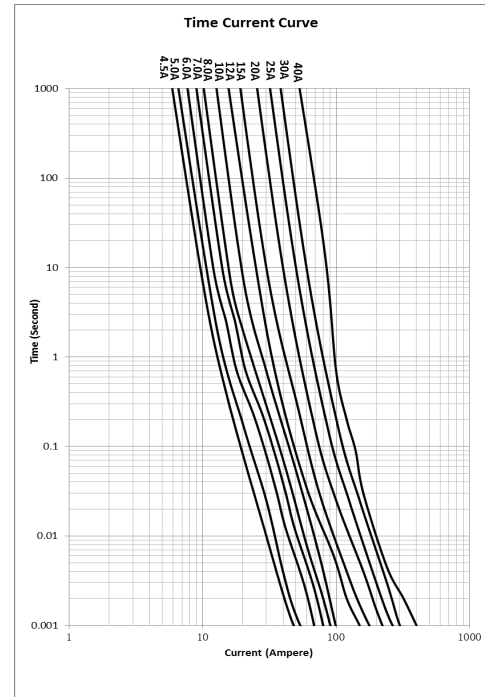
300°C. ≤2 sec (Hand Soldering)

Soldering Peak:

260°C. 10 sec.

280°C. 5 sec. (IEC 60068-20)

Average Time Current (I-T Curves)



Time vs Current Characteristics:UL248-14					
Rated Current	100%	250%	300%	350%	1000%
4.5A~5A	>4h	<5s	0.1s~3s	-	0.2ms~20ms
6A~40A	>4h	-	-	<5s	0.2ms~10ms



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
								cURus
1450	4.50A	32V DC 63V DC 72V DC	163	50A @ 32V DC 50A @ 63V DC 50A @ 72V DC	2.68	26.5	X	•
1500	5.00A		143		4.11	21.5	T	•
1600	6.00A		139		12.8	14.25	F	•
1700	7.00A		128		14.5	10.4	7	•
1800	8.00A	32V DC 48V DC	121	150A @ 48V DC 150A @ 32V DC	16.9	7.15	V	•
2100	10.00A		108		22.8	5.1	U	•
2120	12.00A		78		40.6	4.2	W	•
2150	15.00A		83		45.8	3.4	Y	•
2200	20.00A		78		51.2	2.25	Q	•
2250	25.00A	32V DC 36V DC	91	200A @ 32V DC 200A @ 36V DC	59.3	1.545	L	•
2300	30.00A		91		96.2	1.31	Z	•
2400	40.00A		96		162	0.85	XL	•

- Note:** (1) DC interrupting rating (measured at rated voltage, time constant of less than 50 microseconds, battery source)
 (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

Ordering Information

Series	Amp Code	Supplementary Code	Qty
122			



Sales Contact
sIs01@betterfuse.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

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[189140.0,8](#) [189140.0,4](#) [189140.0,63](#) [189140.0,25](#) [0402FA-R200](#) [0402SFF150F/24-2](#) [0435.250KRHFS](#) [0468003.WR](#) [0494001.NRHF](#)
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