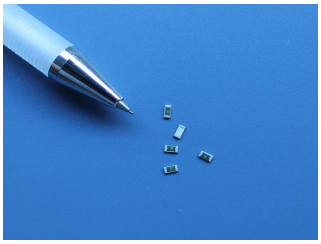
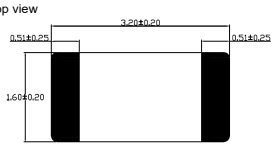
122 Chip Fuse

Bettel
Circuit protection components manufacturer & Brand operator

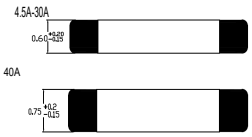


Dimensions (unit: mm)

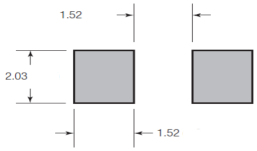
Top view



Side view



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℃ to +150℃

Storage Conditions

+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)

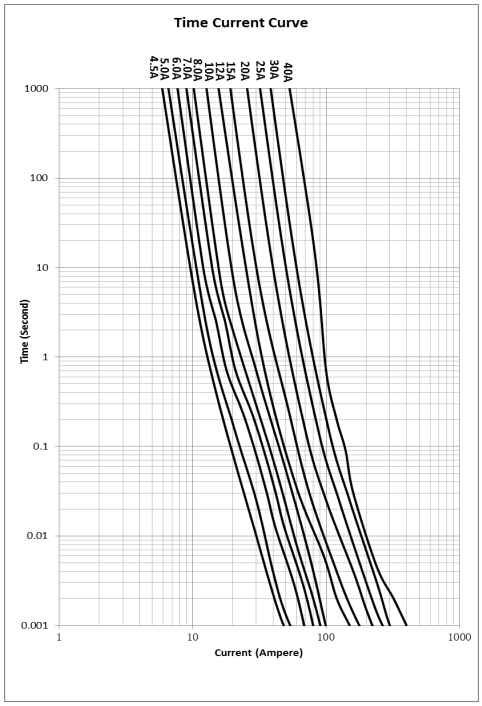
300℃.≤2 sec (Hand Soldering)

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%	250%	300%	350%	1000%
4.5A~5A	>4h	<5s	0.1s~3s	-	0.2ms~20ms
6A~40A	>4h	-	-	<5s	0.2ms~20ms

cURus RoHS HF

Electrial Characteristics at								
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 36V DC 48V DC 63V DC 72V DC	163	50A @ 32V DC 150A @ 36V DC 200A @ 48V 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 36V DC 48V DC	121	150A @ 32V DC 150A @ 36V DC 200A @48V 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 48V DC	91	200A @ 32V DC 200A @ 36V DC 200A @ 48V DC	59.3	1.545	L	•
2300	30.00A		91		96.2	1.31	Z	•
2400	40.00A	32V DC 36V DC	96	200A @ 32V DC 200A @ 36V DC	240	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℃

(3) Typical Pre-arcing I^2t are measured at 10In Current

Ordering Information

Series	Amp Code	Supplementary Code	Qty
122			