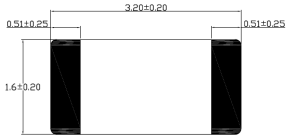
127 Chip Fuse

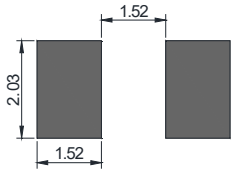
Dimensions (unit: mm)

Top view



Side view

Recommended land pattern (unit: mm)



Main Characteristics

Chip fuse; Fast-Acting(F)

Standard

UL248-14

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

24 cycles at 15 min. each (60068-6)

10-60Hz at 0.75mm amplitude

60-2000Hz at 10g acceleration

Soldering Parameters

260℃.≤10 sec (Wave Soldering)

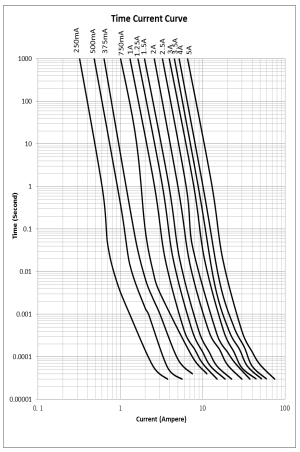
300℃.≤2 sec (Hand Soldering)

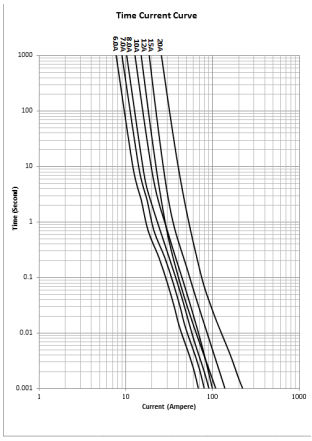
Soldering Peak:

260℃. 10 sec.

280℃. 5 sec. (IEC 60068-20)

Average Time Current(I-T Curve)





Time vs Current Characteristics:UL248-14			
Rated Current	100%	250%	350%
250mA-5A	≥4H	≤5s	-
6A-20A	≥4H		≤5s

cURus RoHS HF

Electrical Characteristics at 25℃								
Amp Code	Rated Current	Rated Voltage	Typical Voltage Drop (mV)	Breaking Capacity	Nominal Melting I²t(A²sec)	Typical Cold Resistance (mΩ)	Alpha Marking	Approvals
								cURus
0250	250mA	125V AC 125V DC	1400	50A@125V AC 50A@125V DC	0.000125	3600	0.25	●
0375	375mA		715		0.00033	1800	E	●
0500	500mA		645		0.00052	1000	0.5	●
0750	750mA		995		0.0092	850	0.75	●
1100	1.00A		305		0.0076	240	H	●
1125	1.25A		295		0.0093	170		●
1150	1.50A		255		0.0134	118	1.5	●
1200	2.00A	125V DC	205	50A@125V DC	0.042	77.5	N	●
1250	2.50A		145		0.0453	36.0	2.5	●
1300	3.00A		135		0.068	32.0	P	●
1350	3.50A	72V DC	125	50A@72V DC	0.085	24.0	3.5	●
1400	4.00A		115		0.115	20.0	S	●
1500	5.00A		105		0.186	14.0	T	●
1600	6.00A	72V DC 63V DC	145	50A@72V DC 50A@63V DC	8.55	14.5	F	●
1700	7.00A		135		10.5	11.0	7	●
1800	8.00A	48V DC 32V DC	125	150A @ 48V DC 150A @ 32V DC	12.5	7.0	V	●
2100	10.00A		115		18.5	5.5	U	●
2120	12.00A		86		11.65	5.25	12	●
2150	15.00A		80		16.55	3.40	15	●
2200	20.00A		82		41	2.20	Q	●

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 I2t are measured at 10In current

Ordering Information

Series	Amp Code	Supplementary Code	Qty
127			