

126 Chip Fuse



Main Characteristics

Chip fuse; Time-Lag(T)

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)

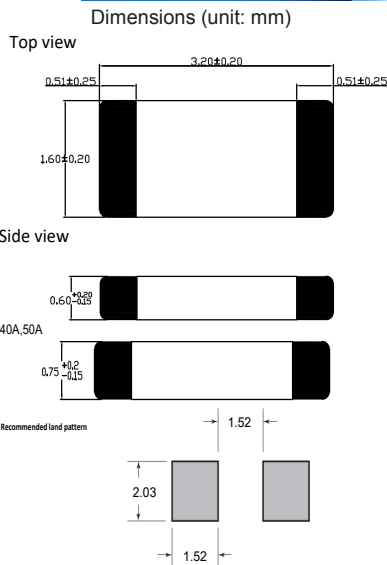
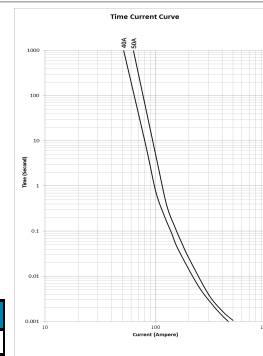
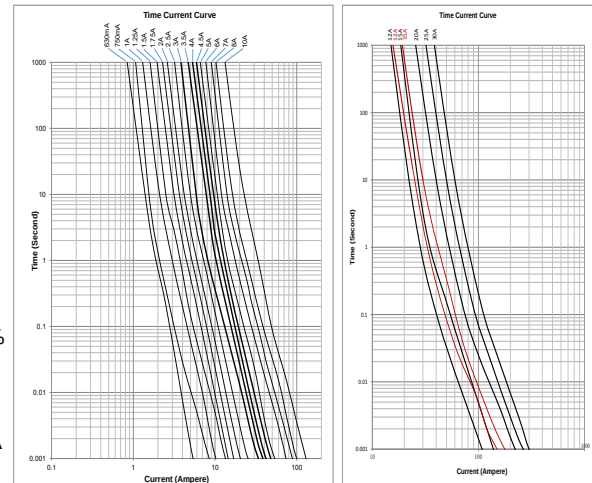
300°C. ≤2 sec (Hand Soldering)

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%	300%	350%	1000%
630mA-5A	>4h	<5s	0.1s~3s	/	0.2ms~20ms
6A~30A	>4h	/	/	<5s	0.2ms~20ms
40A,50A	>4h	/	/	<5s	/

Electrical Characteristics at 25°C

Amp Code	Rated Current	Rated Voltage	Typical Voltage Drop (mV)	Breaking Capacity	Typical Melting I ² T (A ² s)	Typical Cold Resistance (mΩ)	Alpha Mark	Approvals
0630	630mA	63V/72VDC	960	50A@63V DC 50A@72V DC	0.0095	1000	B	cURus
0750	750mA		910		0.0125	875	.75	•
1100	1.00A		520		0.16	458.5	H	•
1125	1.25A		510		0.2	325	H	•
1150	1.50A		470		0.25	220	K	•
1175	1.75A		455		0.28	180	E	•
1200	2.00A		315		0.45	131.5	N	•
1250	2.50A		245		0.75	77.5	O	•
1300	3.00A		190		1.85	50.5	P	•
1350	3.50A		175		2.25	35.5	R	•
1400	4.00A	24V/32V DC	170	50A@32V DC 300A@24V DC	2.7	31.5	S	•
1450	4.50A		165		2.95	28.5	X	•
1500	5.00A		142		4.26	24.0	T	•
1600	6.00A		138		12.5	13.5	F	•
1700	7.00A		131		14.5	11.0	7	•
1800	8.00A		122		16.5	6.75	M	•
2100	10.00A		105		25	6.00	U	•
*2120	*12.00A		82		41.5	4.25	W	•
2120	12.00A		87	300A@24V DC 150A@32V DC	12.5	5.75	12	•
2150	15.00A		80		17.5	3.50	15	•
*2150	*15.00A		86		46.5	4.05	Y	•
2200	20.00A	24V DC	82		51.5	2.80	Q	•
2250	25.00A		85		62.5	1.60	L	•
2300	30.00A		85		101	1.28	Z	•
2400	40.00A		95	200A@24V DC	240	0.85	XL	•
2500	50.00A		95		260	0.70	50	•

(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.

Choice fuse for surge application (USB charger etc.), make sure the I²t of fuse is 4 times than surge.

(4) *2120&*2150 are higher I²t

Ordering Information

Series	Amp Code	Supplementary Code	Qty
126			