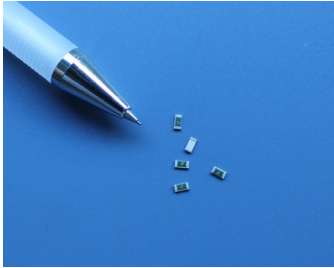


123 Chip Fuse



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

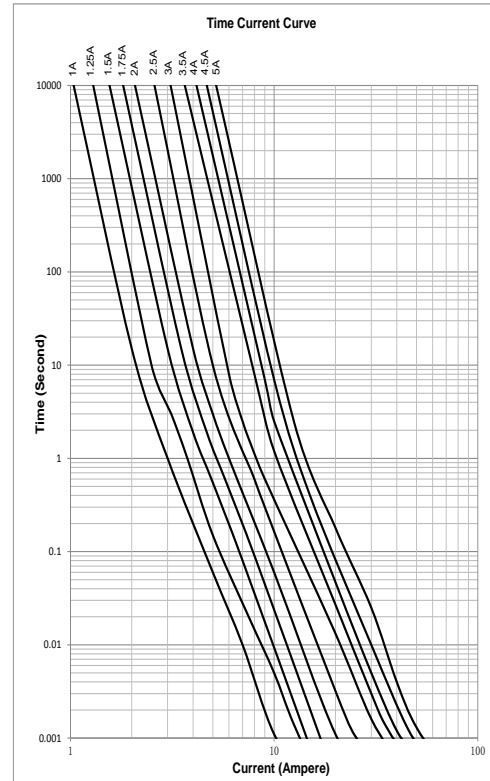
+10°C to +60°C
Relative humidity: ≤75% yearly average
Without dew, maximum 30 days at 95%

Vibration Resistance

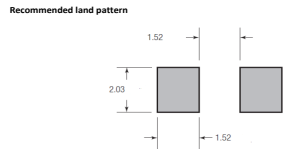
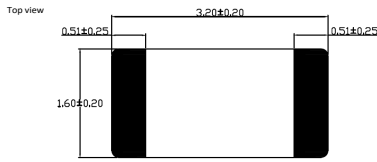
24 cycles at 15 min. each (60068-6)
10-60Hz at 0.75mm amplitude
60-2000Hz at 10g acceleration

Soldering Parameters

260°C. ≤ 10 sec (Wave Soldering)
350°C. ≤ 3 sec (Hand Soldering)
Soldering Peak:
260°C. 10 sec.
280°C. 5 sec. (IEC 60068-20)



Dimensions (unit: mm)



Time vs Current Characteristics: UL248-14

Rated Current	100%	250%	300%	1000%
1A~5A	>4h	<5s	0.1s~3s	0.2ms~20ms



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
								cURus
1100	1.00A	12VAC 63VDC	530	50A@12V AC 50A@63V DC	0.15	465	H	•
1125	1.25A		510		0.18	325	H	•
1150	1.50A		468		0.21	215	K	•
1175	1.75A		455		0.26	180	E	•
1200	2.00A		320		0.43	130	N	•
1250	2.50A		250		0.72	75	O	•
1300	3.00A		197		1.75	48	P	•
1350	3.50A		185		2.15	36.5	R	•
1400	4.00A		175		2.65	33	S	•
1450	4.50A	32V DC 12V AC	165	100A@32V DC 100A@12V AC	2.8	27.5	X	•
1500	5.00A		150		4.15	23	T	•

- DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)
- DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C
- Typical Pre-arcing I²t are measured at 10I_n Current

Ordering Information

Series	Amp Code	Supplementary Code	Qty
123			



Sales Contact
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Technical Support
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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