



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

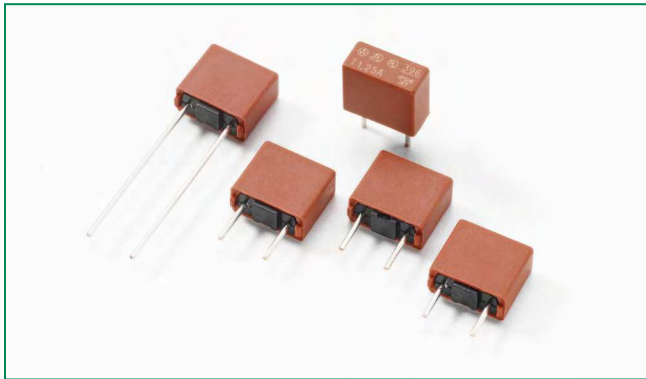
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396 Series, TE5® Time-Lag Fuse



Agency Approvals

Agency	Agency File Number	Ampere Range
	E67006	0.05A - 6.3A
	E67006	0.05A - 6.3A
	JET1896-31007-1005	1A - 5A

Electrical Characteristics

% of Ampere Rating	Opening Time
200%	60 Seconds, Max.

Description

The 396 Series TE5® fuses are time-lag type, 125V rated, and are designed in accordance to UL 248-14.

Features

- Halogen free, Lead-free and RoHS compliant
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shock safe casing
- Vibration resistant
- Available from 0.05A to 6.3A

Applications

- Battery chargers
- Consumer Electronics
- Power supplies
- Industrial controllers

Additional Information



Datasheet






Resources



Samples

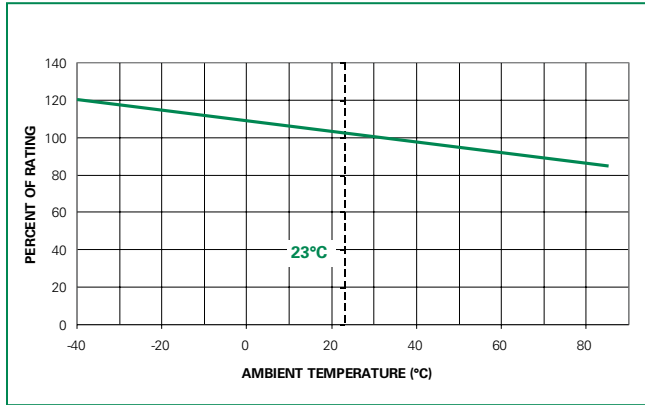
Electrical Characteristics

Amp Code	Rated Current	Voltage Rating	Breaking Capacity	Nominal Cold Resistance (Ohms)	Voltage Drop 1.0xI _N max. (mV)	Power Dissipation 1.0xI _N max. (mW)	Melting Integral 10xI _N max. (A ² s)	Agency Approvals		
										
0050	50mA	125V	100A@125 VAC	12.5000	900	45	0.011	x	x	
0063	63mA	125V		8.7900	800	50	0.017	x	x	
0080	80mA	125V		6.0090	700	55	0.02	x	x	
0100	100mA	125V		3.8400	600	60	0.04	x	x	
0125	125mA	125V		2.9000	550	70	0.05	x	x	
0160	160mA	125V		1.7700	480	80	0.09	x	x	
0200	200mA	125V		1.2000	390	80	0.14	x	x	
0250	250mA	125V		0.7500	350	90	0.26	x	x	
0315	315mA	125V		0.5450	300	95	0.32	x	x	
0400	400mA	125V		0.3750	250	100	0.58	x	x	
0500	500mA	125V		0.2470	220	110	0.86	x	x	
0630	630mA	125V		0.1850	210	135	1.15	x	x	
0800	800mA	125V		0.1250	160	130	1.92	x	x	
1100	1.00A	125V		0.0868	155	155	3.25	x	x	x
1125	1.25A	125V		0.0666	145	185	4.69	x	x	x
1160	1.60A	125V		0.0502	130	210	6.76	x	x	x
1200	2.00A	125V		0.0398	125	250	11.90	x	x	x
1250	2.50A	125V		0.0297	120	300	17.81	x	x	x
1315	3.15A	125V		0.0216	110	350	26.29	x	x	x
1400	4.00A	125V		0.0164	110	400	38.40	x	x	x
1500	5.00A	125V	0.0112	95	475	71.25	x	x	x	
1630	6.30A	125V	0.0087	95	570	144.87	x	x	x	

Notes:

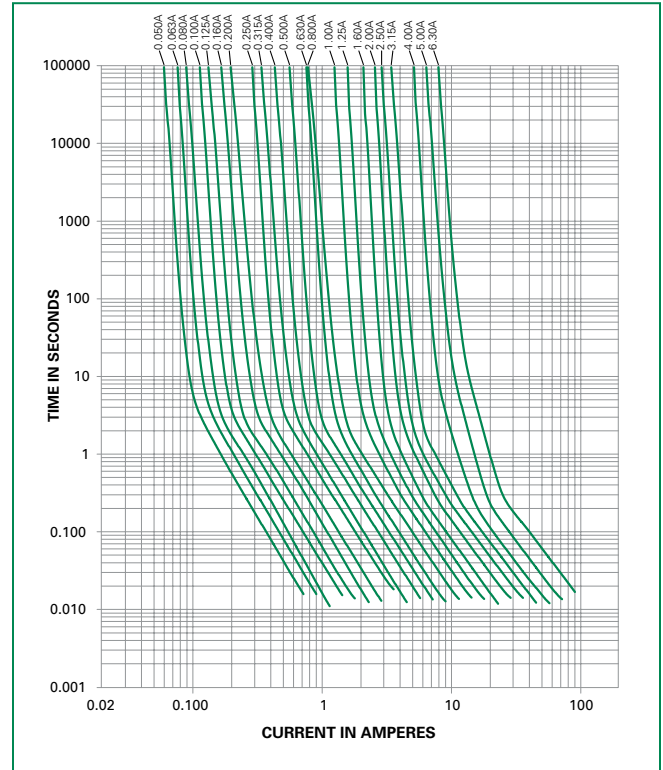
- 1) 1.00 means the number one with two decimal places. 1,000 means the number one thousand.
- 2) Resistance is measured at 10% of rated current, 25°C.

Temperature Re-rating Curve

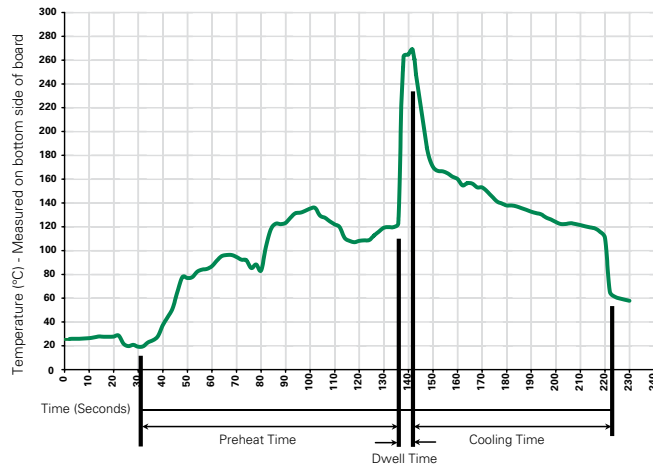


Note:
1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters - Wave Soldering



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260°C Maximum
Solder Dwell Time:	2-5 seconds

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350°C +/- 5°C
Heating Time: 5 seconds max.

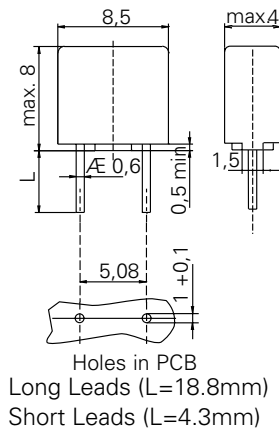
Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

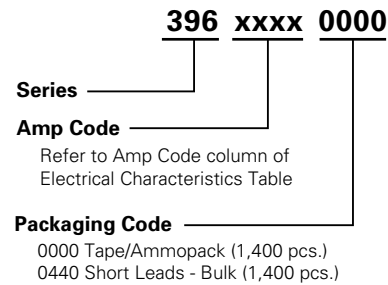
Materials	Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94 V-0 Round Pins: Copper, Tin-plated
Lead Pull Strength	10 N (IEC 60068-2-21)
Solderability	260°C, ≤ 3s. (Wave) 350°C, ≤ 1s. (Soldering Iron)
Soldering Heat Resistance	260°C, 10s. (IEC 60068-2-20) 350°C, 3s. (Soldering Iron)

Operating Temperature	-40°C to +85°C (Consider re-rating)
Climatic Category	-40°C to +85°C/21 days (IEC 60068-1,-2-1,-2-2,-2-78)
Stock Conditions	+10°C to +60°C RH ≤ 75% yearly average, without dew, maximum value for 30 days-95%
Vibration Resistance	24 cycles at 15 min. each (IEC 60068-2-6) 10 - 60Hz at 0.75mm amplitude 60 - 2000Hz at 10g acceleration

Dimensions



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
396 Series				
Tape & Ammopack	N/A	1,400	0000	N/A
Short Leads	N/A	1,400	0440	N/A