



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

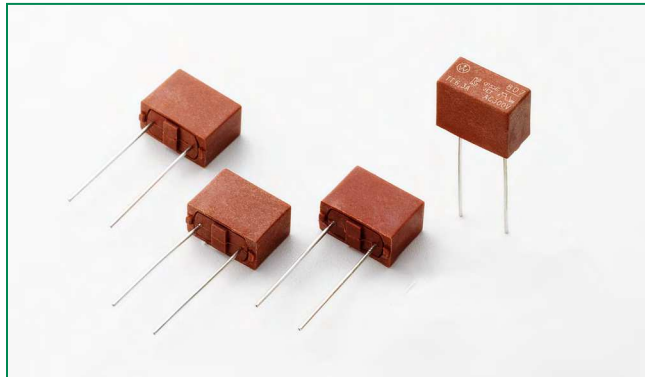
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807 Series Fuse



Agency Approvals

Agency	Agency File Number	Ampere Range
	E67006	0.80A – 6.3A
	SU05024-10005 SU05024-10004 SU05024-10006	0.8A 1-2.5A 3.15-6.3A
	JET1896-31007-2004 JET1896-31007-2005	1A - 5A 6.30A

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
125%	3600 secs., Minimum
200%	120 secs., Maximum
1000%	100 milliseconds Minimum 1 secs., Maximum

Description

TE7 807 Series is a time-lag type subminiature fuse designed for overcurrent protection.

Features

- Lead-free, Halogen-free and RoHS compliant
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Low internal resistance
- Shock safe casing
- Vibration resistant
- Excellent surge tolerance due to high i^2t values

Applications

- Battery Charger
- Consumer Electronics
- Power Supplies
- Industrial Controllers

Additional Information



[Datasheet](#)






[Resources](#)



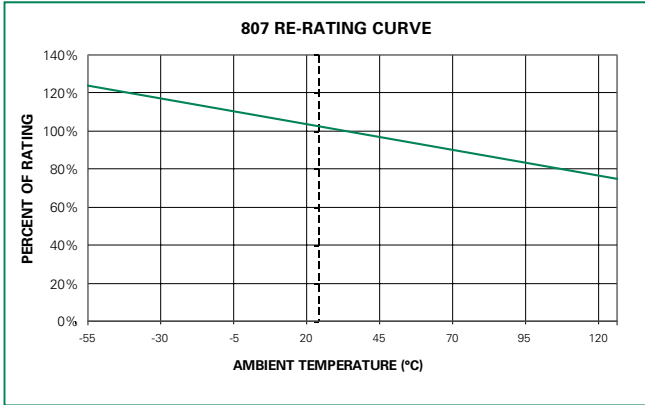
[Samples](#)

Electrical Characteristic Specifications by Item

Amp Code	Amp Rating	Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Voltage Drop $1.0 \times I_N$ max [mV]	Power Dissipation $1.25 \times I_N$ max [mW]	Melting Integral $10 \times I_N$ max [A ² s]	Agency Approvals		
										
0800	0.80A	300V	100A @300VAC	0.1887	218	332	12.480	x	x	
1100	1.00A	300V		0.1166	171	324	20.000	x	x	x
1125	1.25A	300V		0.0816	151	352	30.00	x	x	x
1160	1.60A	300V		0.0569	135	464	51.00	x	x	x
1200	2.00A	300V		0.0458	183	486	88.00	x	x	x
1250	2.50A	300V		0.0349	118	675	137.50	x	x	x
1315	3.15A	300V		0.0228	163	818	212.94	x	x	x
1400	4.00A	300V		0.0174	128	945	368.00	x	x	x
1500	5.00A	300V		0.0138	98	1091	748.00	x	x	x
1630	6.30A	300V		0.0100	78	1125	1099.00	x	x	x

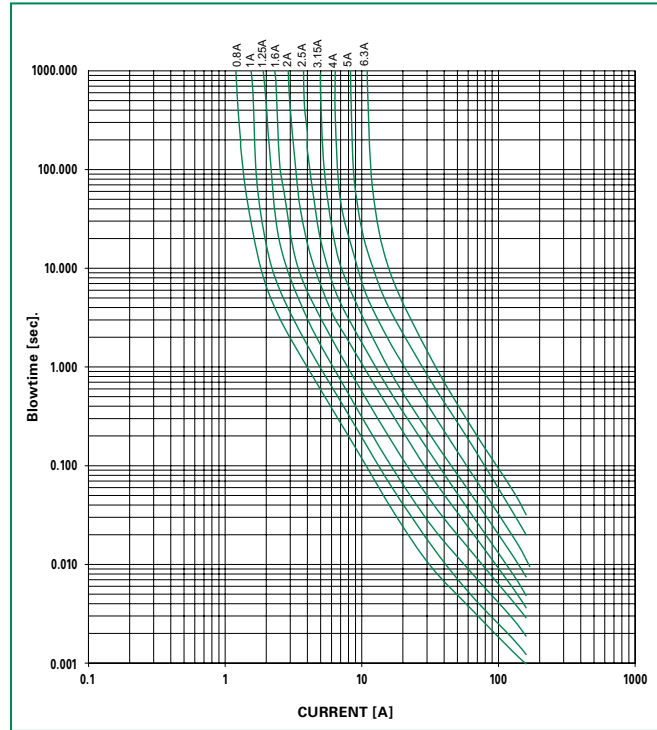
Note:
1. Resistance is measured at 10% of rated current, 25°C.

Temperature De-rating Curve

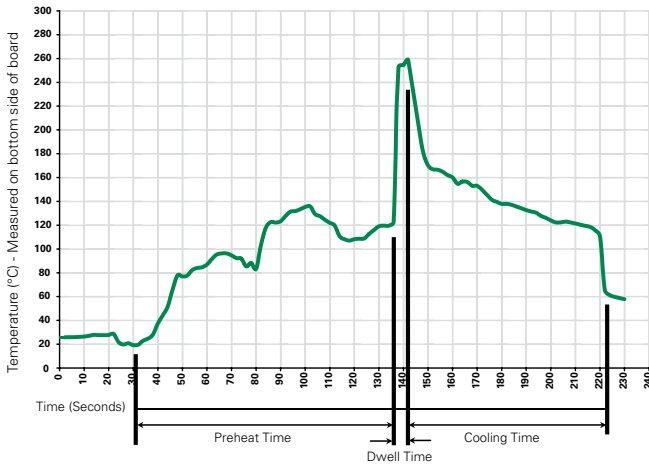


Note:
1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

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 maximum

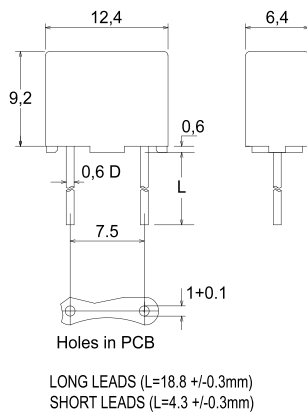
Note: These devices are not recommended for IR or Convection Reflow Process.

Product Characteristics

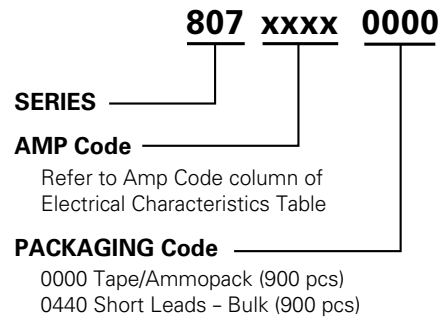
Materials	Base/Cap: Brown Thermoplastic Polyamide, UL 94V-0 Round Pins: Copper, Sn Plated
Lead Pull Strength	10 N (IEC 60068-2-21)
Solderability	260°C, ≤ 3s (Wave) 350°C, ≤ 1s (Soldering Iron)
Soldering Heat Resistance	260°C, 10s (IEC 60068-2-20) 350°C, 3s (Soldering Iron)

Operating Temperature	-40°C to +125°C (Consider re-rating)
Climatic Category	-40°C/+85°C/21 days (IEC 60068-1, -2-1, -2-2, -2-78)
Stock Conditions	+10°C to +60°C relative humidity 75% yearly average, without dew, maximum value for 30 days – 95%
Vibration Resistance	24 cycles at 15 min. each (IEC60028-2-6) 10 - 60Hz at 0.75mm amplitude 20 - 2000Hz at 10g acceleration

Dimensions



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Reel Size
807 Series				
Tape & Ammopack	N/A	1,000	0000	N/A
Short Leads	N/A	1,000	0440	N/A