



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

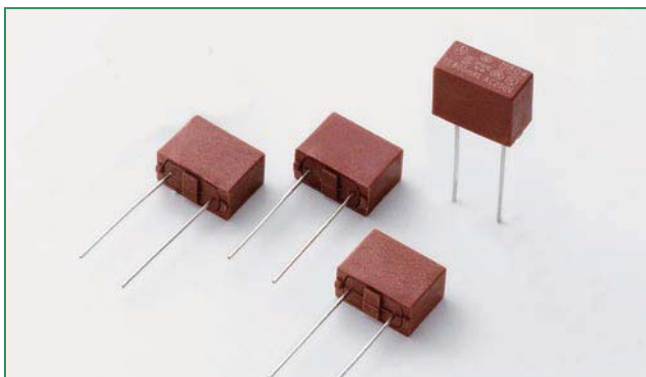
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RoHS **804 Series Fuse, TE, Time-Lag Fuse**



Agency Approvals

Agency	Agency File Number	Ampere Range
	E242325	800mA – 6.3A
	DE1-42667	800mA, 1.25A – 6.3A
	CQC10012048703	800mA, 1.25A – 6.3A
	NBK060111-JP1021A	1A – 2.5A
	NBK060111-JP1021B	3.15A – 5A
	NBK060111-JP1021C	6.3A
	SU05024-10004 to 10005	800mA – 6.3A

Electrical Characteristics

Amp Code	Ampere Rating	Rated Voltage	Interrupting Rating 50-60Hz/ cos = 1	Voltage Drop $1.0 \times I_N$ max [mV]	Power Dissipation $1.25 \times I_N$ max [mW]	Melting Integral $10 \times I_N$ min [A²s]	Agency Approvals				
											
0800	800mA	250V	150A/250VAC	218	332	12	x	x	x	x	x
1100	1.00A	250V	150A/250VAC	171	324	20	x	x			x
1125	1.25A	250V	150A/250VAC	151	352	30	x	x	x	x	x
1160	1.60A	250V	150A/250VAC	135	464	51	x	x	x	x	x
1200	2.00A	250V	150A/250VAC	183	486	80	x	x	x	x	x
1250	2.50A	250V	150A/250VAC	118	675	136	x	x	x	x	x
1315	3.15A	250V	150A/250VAC	163	818	189	x	x	x	x	x
1400	4.00A	250V	150A/250VAC	128	945	346	x	x	x	x	x
1500	5.00A	250V	150A/250VAC	98	1091	748	x	x	x	x	x
1630	6.30A	250V	150A/250VAC	78	1125	1099	x	x	x	x	x

Description

The 804 Series is a TE UMF, TT time lag type subminiature fuse designed for overcurrent protection. It is 250V rated and designed in accordance to IEC 60127-4.

Features

- Lead-free and RoHS Compliant
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Low internal resistance
- Internally approved
- Shock safe casing
- Vibration resistant
- Halogen Free

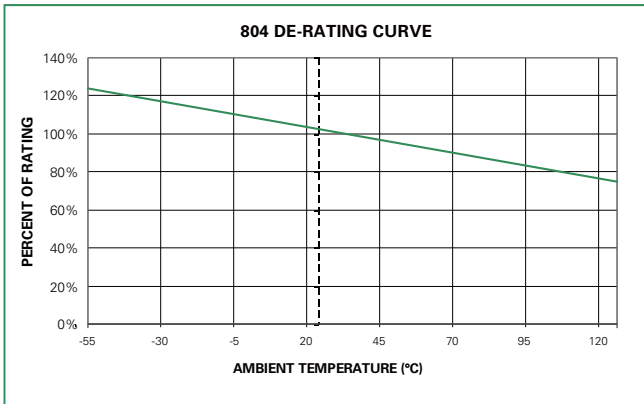
Applications

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

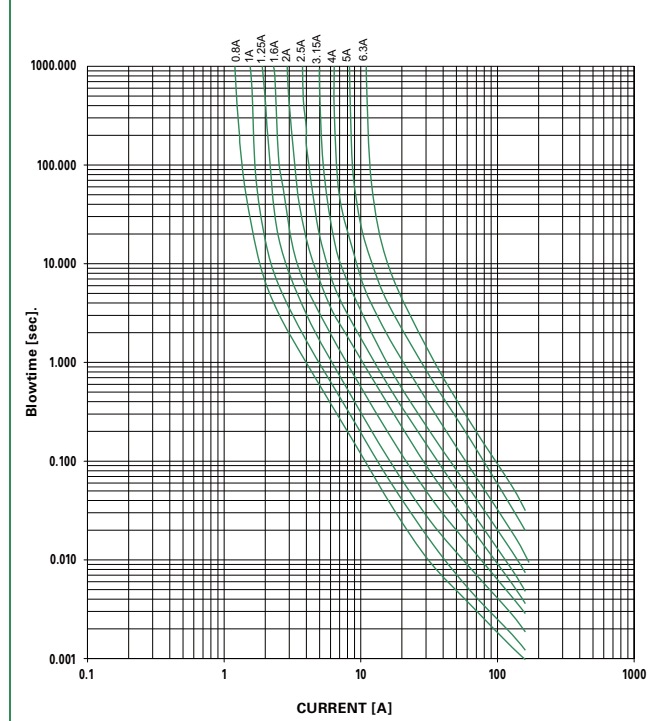
Electrical Characteristics

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

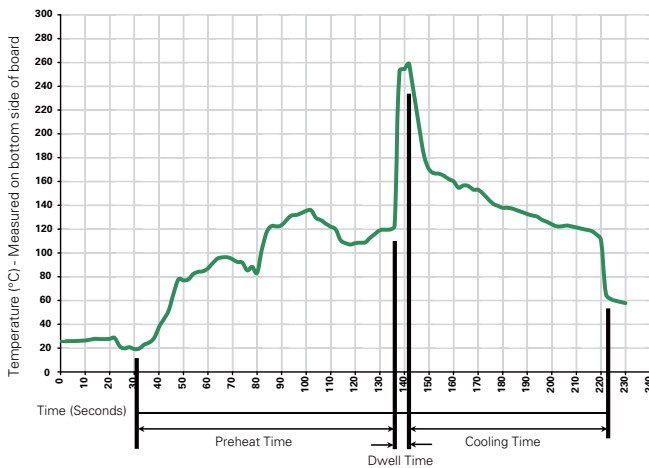
Temperature Derating Curve



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.

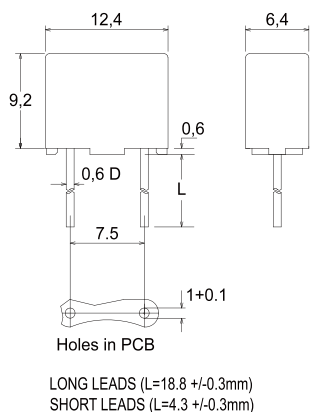
Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

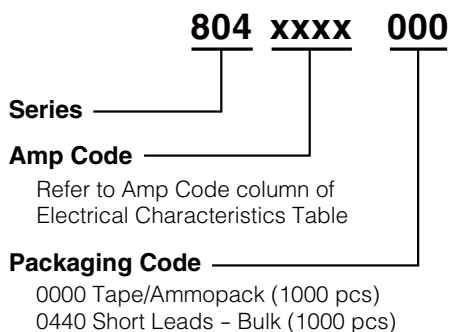
Materials	Base/Cap: Black Thermoplastic Polyamide, UL 94V-0 Brass, Nickel-plated Cap Round Pins: Copper, Sn Plated
Lead Pull Strength	10 N (EN 60068-2-21)
Solderability	260°C, ≤ 3s. (Wave) 350°C, ≤ 1s. (Soldering Iron)
Soldering Heat Resistance	260°C, 10s. (IEC 60068-2-20) 350°C, 3s. (Soldering Iron)

Operating Temperature	-40°C to +125°C (consider de-rating)
Climatic Category	-40°C/+85°C/21 days (EN 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 (EN60028-2-6) 10 - 60Hz at 0.75 mm amplitude 20 – 2000Hz at 10g acceleration

Dimensions



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Reel Size
804 Series				
Tape & Ammopack	N/A	1,000	000	N/A
Short Leads	N/A	1,000	044	N/A