



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

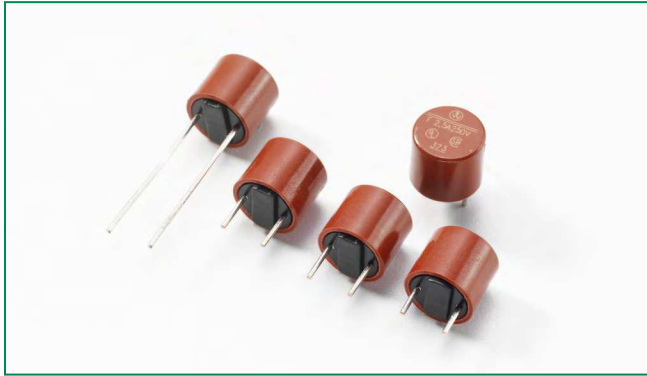
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## 373 Series, TR5 Fuse, Fast Acting



### Description

The TR5® 373 Series fuses are fast-acting 250V rated and designed in accordance to UL 248-14.



### Features

- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shock safe casing
- Vibration resistant
- Lead-free, Halogen free and RoHS compliant
- Available from 0.050A to 10A

### Applications

- Battery Chargers
- Consumer Electronics
- Power supplies
- Industrial Controllers

### Agency Approvals

Agency	Agency File Number	Ampere Range
	51378	0.050A - 6.3A
	E67006	0.050A - 10A

### Electrical Characteristics

% of Ampere Rating	Ampere Rating	Opening Time
200%	50mA - 6.3A	5 Seconds, <b>Max.</b>
	8A - 10A	60 Seconds, <b>Max.</b>

### Additional Information



[Datasheet](#)





[Resources](#)



[Samples](#)

### Electrical Characteristics

Amp Code	Rated Current	Voltage Rating	Breaking Capacity	Nominal Cold Resistance (Ohms)	Voltage Drop 1.0xI <sub>N</sub> max. (mV)	Power Dissipation 1.0xI <sub>N</sub> max. (mW)	Melting Integral 10xI <sub>N</sub> max. (A <sup>2</sup> s)	Agency Approvals	
									
0050	50mA	250V	50A@250VAC	7.6250	1400	70	0.0001	X	X
0063	63mA	250V		4.6900	1300	85	0.0002	X	X
0080	80mA	250V		3.6500	1200	100	0.0004	X	X
0100	100mA	250V		8.9000	1100	110	0.0013	X	X
0125	125mA	250V		6.0550	1000	125	0.0019	X	X
0160	160mA	250V		4.1310	950	155	0.0040	X	X
0200	200mA	250V		3.2260	850	170	0.0065	X	X
0250	250mA	250V		2.2240	750	190	0.0140	X	X
0315	315mA	250V		1.5150	650	205	0.0320	X	X
0400	400mA	250V		0.2200	230	95	0.0160	X	X
0500	500mA	250V		0.1570	220	110	0.0250	X	X
0630	630mA	250V		0.1180	210	135	0.0450	X	X
0800	800mA	250V		0.0970	200	160	0.0690	X	X
1100	1.00A	250V		0.0710	190	190	0.1250	X	X
1125	1.25A	250V		0.0665	180	225	0.2000	X	X
1160	1.60A	250V		0.0480	170	275	0.3800	X	X
1200	2.00A	250V		0.0359	160	320	0.6300	X	X
1250	2.50A	250V		0.0305	150	375	1.2000	X	X
1315	3.15A	250V		0.0240	140	445	1.9000	X	X
1400	4.00A	250V		0.0185	130	520	3.5000	X	X
1500	5.00A	250V		0.0144	120	630	6.2000	X	X
1630	6.30A	250V	0.0133	115	1000	9.1000	X	X	
1800	8.00A <sup>1</sup>	250V	0.0074	120	1600	30.0000		X	
2100	10.00A <sup>1</sup>	250V	0.0059	110	2000	55.0000		X	

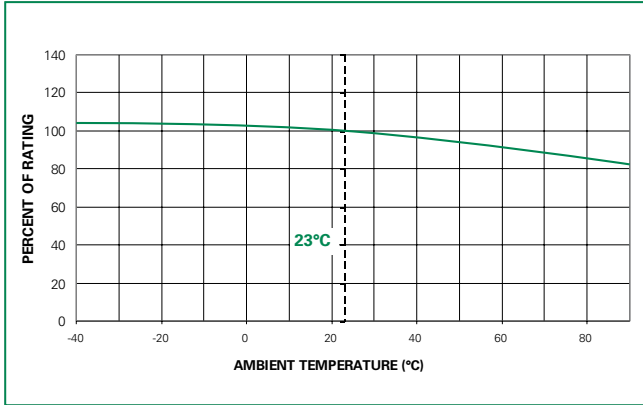
<sup>1</sup> Conducting path cross-section minimum ≥ 0.2mm<sup>2</sup>

Notes:

1) 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

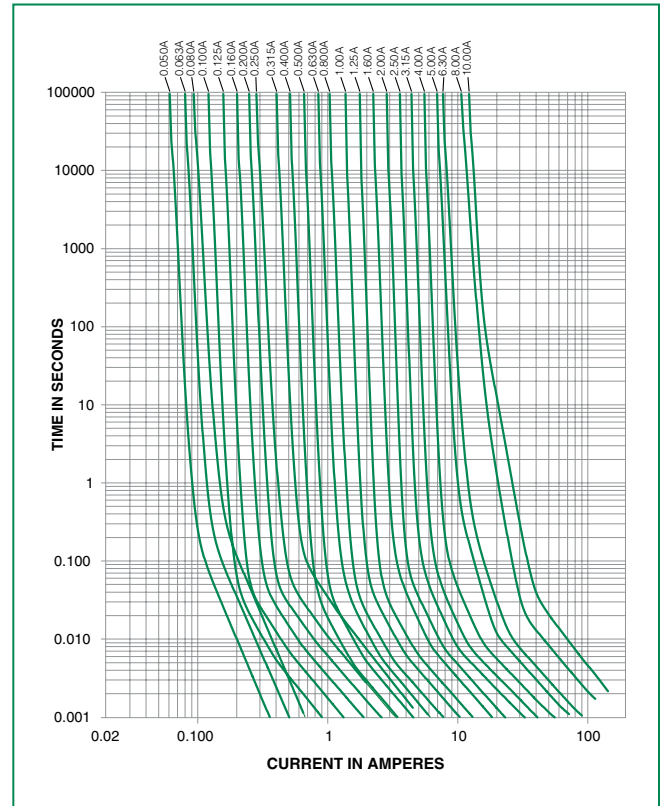
2) Resistance is measured at 10% of rated current, 25°C.

## Temperature Re-rating Curve

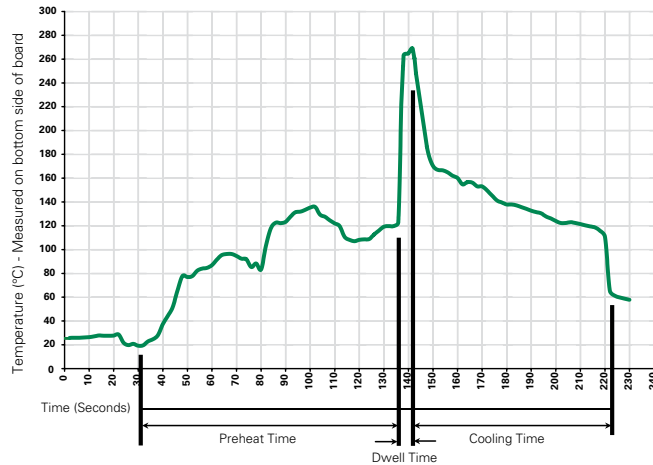


Note  
1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

## Average Time Current Curves



## Soldering Parameters - Wave Soldering



### Recommended Process Parameters:

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

### Recommended Hand-Solder Parameters:

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

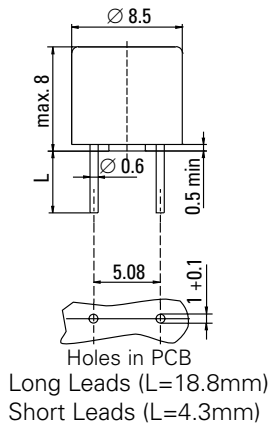
**Note: These devices are not recommended for IR or Convection Reflow process.**

## Product Characteristics

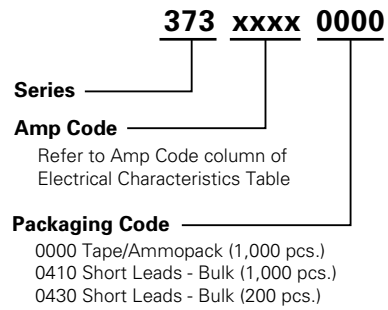
<b>Materials</b>	Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94 V-0 Round Pins: Copper, Tin-plated
<b>Lead Pull Strength</b>	10 N (IEC 60068-2-21)
<b>Solderability</b>	260°C, ≤ 3s. (Wave) 350°C, ≤ 1s. (Soldering Iron)
<b>Soldering Heat Resistance</b>	260°C, 10s. (IEC 60068-2-20) 350°C, 3s. (Soldering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

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

## Dimensions



## Part Numbering System



## Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
<b>373 Series</b>				
Tape & Ammopack	N/A	1,000	0000	N/A
Short Leads	N/A	1,000	0410	N/A
Short Leads	N/A	200	0430	N/A