

RoHS 459 Series PICO® Very Fast-Acting Surface Mount Fuse



Description

The 459 Series Very Fast-Acting SMF is based on Littelfuse PICO® fuse technology, though offered in a surface mount package.

This series of devices meets the requirements of the RoHS directive.

Features

- Very Fast-Acting
- Wide current rating range: 62mA to 5A
- Wide operating temperature range
- Low temperature rerating
- RoHS compliant

Applications

- Wireless basestation
- Network equipment
- Telecom equipment

Agency Approvals

AGENCY	AGENCY FILE NUMBER	AMPERE RANGE
	E10480	62mA - 5A
	LR29862	62mA - 5A

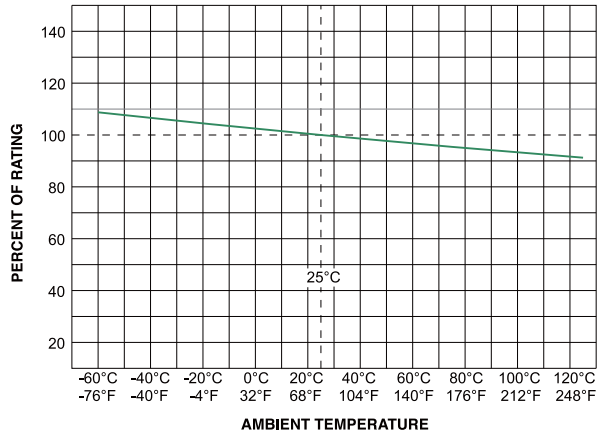
Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
200%	1 second, Maximum
300%	0.1 second, Maximum

Electrical Specifications by Item

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec)	Agency Approvals	
							
0.062	.062	125	50 A @125 VAC 300 A @125 VDC	7.0000	0.000075	x	x
0.125	.125	125		1.7000	0.00163	x	x
0.250	.250	125		0.6650	0.0106	x	x
0.375	.375	125		0.3950	0.0254	x	x
0.500	.500	125		0.2800	0.0546	x	x
0.750	.750	125		0.1750	0.155	x	x
1.00	001.	125		0.1250	0.281	x	x
1.50	01.5	125		0.0800	0.650	x	x
2.00	002.	125		0.0468	0.421	x	x
2.50	02.5	125		0.0350	0.721	x	x
3.00	003.	125		0.0290	1.23	x	x
3.50	03.5	125		0.0240	1.65	x	x
4.00	004.	125		0.0200	2.35	x	x
5.00	005.	125		0.0155	3.90	x	x

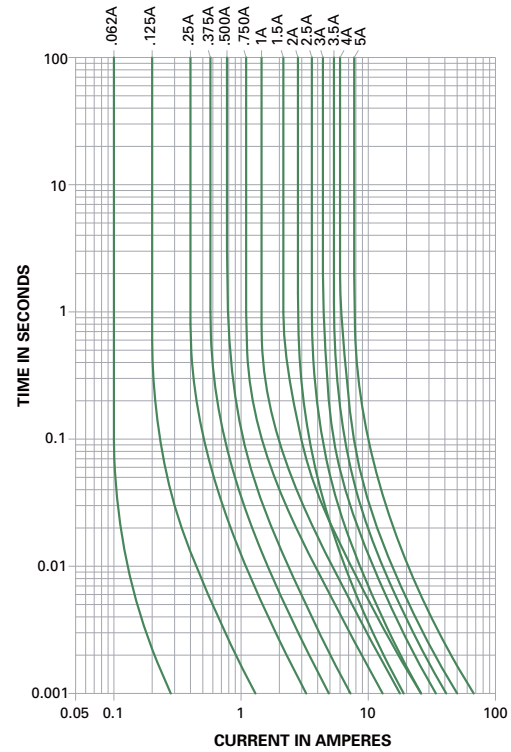
Temperature Derating Curve



Note:

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

Average Time Current Curves



Soldering Parameters

Wave Soldering	260°C, 10 seconds max.
Reflow Soldering	260°C, 30 seconds max.