

# 0263.500WRT1L Datasheet



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DiGi Electronics Part Number	0263.500WRT1L-DG
Manufacturer	<a href="#">Littelfuse Inc.</a>
Manufacturer Product Number	0263.500WRT1L
Description	FUSE BRD MNT 500MA 250VAC AXIAL
Detailed Description	500 mA 250 V AC DC Fuse Board Mount (Cartridge Style Excluded) Through Hole Axial

This model 0263.500WRT1L is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

0263.500WRT1L

Series:

PICO® II 263

Mounting Type:

Through Hole

Current Rating (Amps):

500 mA

Response Time:

Fast Blow

Breaking Capacity @ Rated Voltage:

50A

Approval Agency:

CSA, UR

Color:

-

DC Cold Resistance:

0.332 Ohms

Manufacturer:

Littelfuse Inc.

Product Status:

Active

Fuse Type:

Board Mount (Cartridge Style Excluded)

Voltage Rating - AC:

250 V

Package / Case:

Axial

Melting I<sup>2</sup>t:

0.084

Operating Temperature:

-55°C ~ 125°C

Size / Dimension:

0.155" Dia x 0.280" L (3.94mm x 7.11mm)

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.10.0040

Moisture Sensitivity Level (MSL):

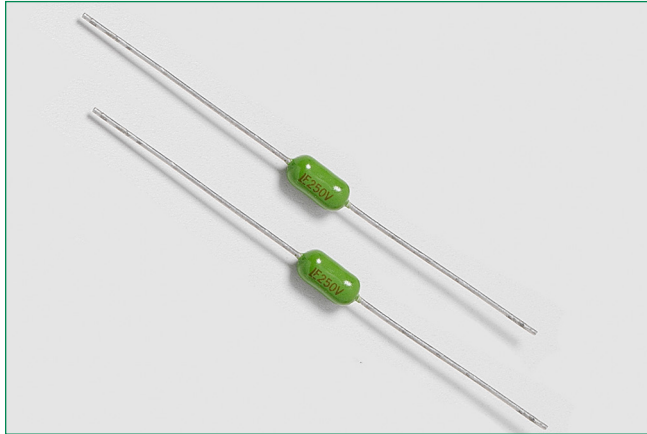
Not Applicable

ECCN:

EAR99

# 263 Series

## PICO® II 250 Volt Fuse, Very Fast Acting



### Description

The PICO® II 263 Series Fuse is a specially designed axial leaded fuse that achieves a 250V rating in a small package.

### Features & Benefits

- 250V rating
- Very fast-acting
- Small size
- Wide range of current rating available (62mA to 5A)
- RoHS compliant and Halogen-free
- Wide operating temperature range
- Low temperature derating

### Additional Information



Resources



Accessories



Samples

### Applications

- Lighting system
- Power supply
- LCD/PDP TV
- LCD monitor
- Office automation machines
- Audio/Video system
- Medical equipment

### Electrical Characteristics

% of Ampere Rating	Opening Time
100%	4 Hours, <b>Min.</b>
200%	1 Second, <b>Max.</b>
300%	0.1 Second, <b>Max.</b>

### Agency Approvals

Agency	Agency File Number	Ampere Range
	E10480	0.062A - 5A
	PSE_NBK200416-JP1021	1A - 5A
	29862	0.125 - 5A
	NA	0.062A - 5A
	NA	0.062A - 5A

### Electrical Characteristics

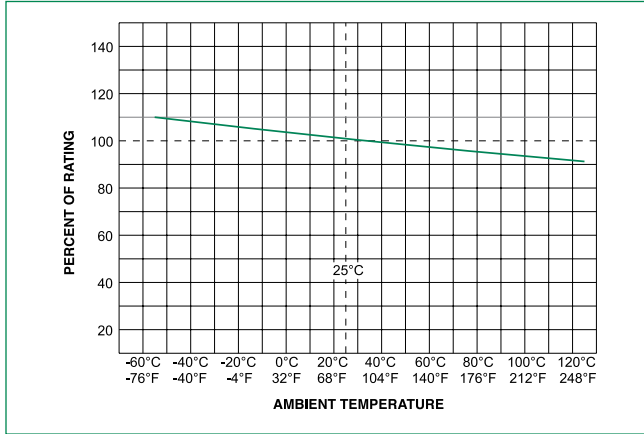
Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec)	Nom Voltage Drop (mV)	Agency Approvals				
							UKCA	CE	UL	PSE	UKCA
0.062	.062	250	50A@250VAC PSE: 100A@125VAC	5.50	0.000192	0.74	x	x	x	-	-
0.125	.125	250		1.745	0.00251	0.3	x	x	x	-	x
0.250	.250	250		0.715	0.0165	0.235	x	x	x	-	x
0.375	.375	250		0.391	0.0444	0.195	x	x	x	-	x
0.500	.500	250		0.252	0.084	0.302	x	x	x	-	x
0.750	.750	250		0.150	0.0411	0.176	x	x	x	-	x
1.00	001.	250*		0.105	0.087	0.165	x	x	x	x	x
1.50	015.	250*		0.0635	0.2958	0.148	x	x	x	x	x
2.00	002.	250*		0.0444	0.74	0.137	x	x	x	x	x
2.50	02.5	250*		0.0340	1.197	0.128	x	x	x	x	x
3.00	003.	250*		0.0274	1.77	0.1225	x	x	x	x	x
3.50	03.5	250*		0.0224	2.33	0.1175	x	x	x	x	x
4.00	004.	250*		0.0193	3.08	0.1125	x	x	x	x	x
5.00	005.	250*		0.0145	5.55	0.1065	x	x	x	x	x

\* PSE Approval has max. voltage range of 125VAC.

# 263 Series

## PICO® II 250 Volt Fuse, Very Fast Acting

**Temperature Re-rating Curve**



**Note:** Re-rating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

### Soldering Parameters

#### Recommended Process Parameters:

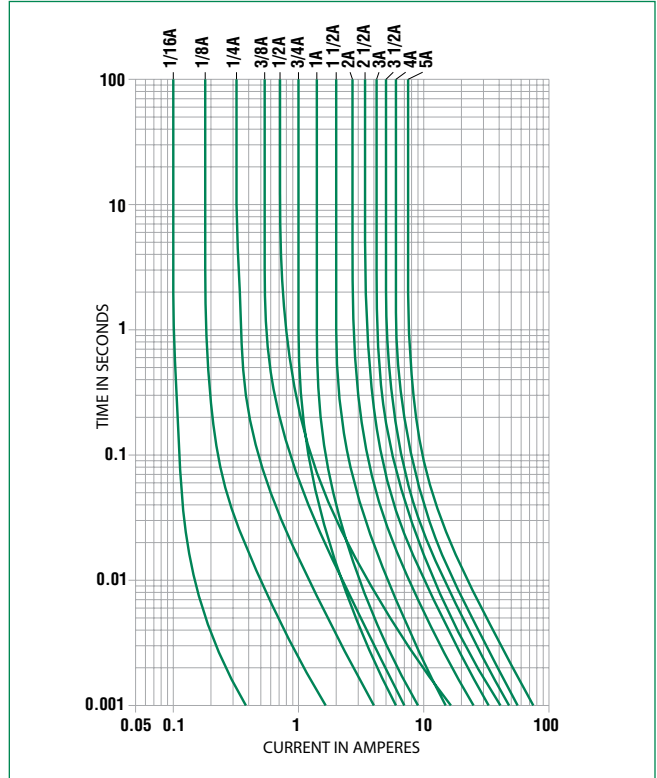
Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100° C
Temperature Maximum:	150° C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260° C Maximum
Solder Dwell Time:	2-5 seconds

#### 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.

**Average Time Current Curves**





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