

263 Series, PICO® II 250 Volt Fuse, Very Fast Acting



Agency Approvals

Agency	Agency File Number	Ampere Range
91	E10480	0.062 - 5A
PSE	PSE_NBK200416-JP1021	1A - 5A
(A)	29862	0.125 - 5A

Additional Information







Datasheet

Resources

Electrical Characteristics

Electrical Characteristics									
Ampere		Max		Nominal Cold	Nominal	Nom	Ag	ency Approv	vals
Rating (A)	Amp Code	Voltage Rating (V)	Interrupting Rating	Resistance (Ohms)	Melting I ² t (A ² sec)	Voltage Drop (mV)	7	PSE	()
0.062	.062	250		5.50	0.000192	0.74	Х		
0.125	.125	250		1.745	0.00251	0.3	х		х
0.250	.250	250		0.715	0.0165	0.235	Х		х
0.375	.375	250		0.391	0.0444	0.195	х		х
0.500	.500	250		0.252	0.084	0.302	Х		x
0.750	.750	250		0.150	0.0411	0.176	х		х
1.00	001.	250*	50A@250VAC PSE: 100A@	0.105	0.087	0.165	Х	x	x
1.50	01.5	250*	125VAC	0.0635	0.2958	0.148	Х	X	х
2.00	002.	250*	1201710	0.0444	0.74	0.137	х	x	х
2.50	02.5	250*		0.0340	1.197	0.128	х	x	х
3.00	003.	250*		0.0274	1.77	0.1225	Х	X	х
3.50	03.5	250*		0.0224	2.33	0.1175	х	x	х
4.00	004.	250*		0.0193	3.08	0.1125	Х	X	х
5.00	005.	250*		0.0145	5.55	0.1065	х	X	х

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

Description

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

RoHS HF

Features

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

FL (\$)

- Wide operating temperature range
- Low temperature rerating

Applications

- Lighting system
- Power supply
- LCD/PDPTV

LCD monitor

- Office automation
 machines
- Audio/Video system
- Medical equipment

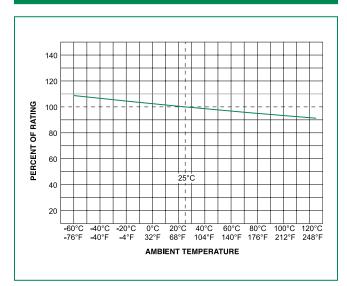
Electrical Characteristics

% of Ampere Rating	OpeningTime
100%	4 Hours, Min.
200%	1 Second, Max.
300%	0.1 Second, Max.

Axial Lead & Cartridge Fuses PICO[®] II Fuse > Very Fast-Acting Fuse > 263 Series



Temperature Re-rating Curve



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

Soldering Parameters

Recommended Process Parameters:

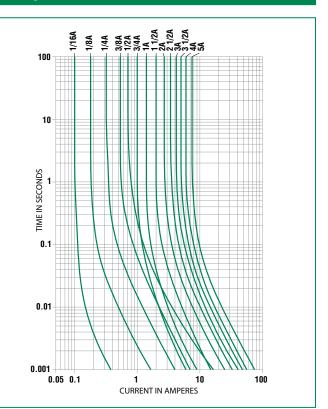
Wave Parameter	Lead-Free Recommendation		
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)		
Temperature Minimum:	100° C		
Temperature Maximum:	150° C		
Preheat Time:	60-180 seconds		
Solder Pot Temperature:	260° C Maximum		
Solder Dwell Time:	2-5 seconds		

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



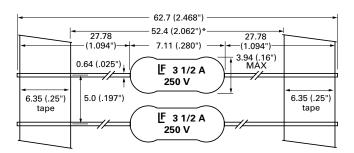


Product Characteristics

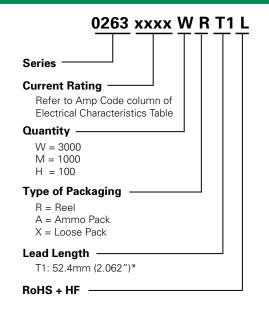
Materials	Encapsulated, Epoxy-Coated Body: Solder Coated Copper Leads. RoHS compliant Product: Pure Tin–coated Copper wire leads		
Solderability	MIL-STD-202. Method 208.		
Product Marking	Body marking, current rating and logo		
Operating Temperature	–55°C to +125°C (Consider re-rating)		
Shock	MIL-STD-202, Method 213, Test Condition I (100 G's peak for 6 milliseconds)		

Vibration	MIL-STD-202, Method 201 (10–55 Hz); MIL-STD-202, Method 204, Test Condition C (55–2000 Hz at 10 G's Peak)		
Salt Spray	MIL-STD-202, Method 101, Test Condition B (48 hrs.)		
Insulation Resistance (After Opening):	MIL-STD-202, Method 302, Test Condition A (10,000 ohms minimum at 100 volts)		
Resistance to Soldering Heat	MIL-STD-202, Method 210, Test Condition C (10 sec. at 260°C)		
Thermal Shock	MIL-STD-202, Method 107, Test Condition B (–55°C to 125°C)		
Moisture Resistance	MIL-STD-202, Method 106		
Lead Pull Force	MIL-STD-202, Method 211, Test Condition A (will withstand 7 lb. axial pull test)		

Dimensions



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code
T1: 52.4mm (2.062") Tape and Reel	EIA 296		er to available quantities art Numbering System"

Notes: * T1 dimension is defined as the length of the component between the two tapes. The full component length is 62.7mm (2.468").