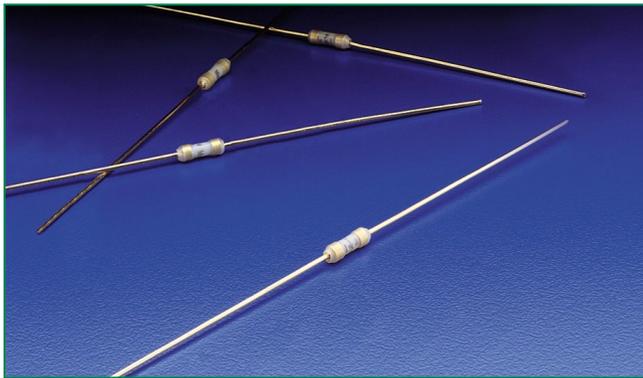


275 Series, PICO® Very Fast-Acting Fuse



**Description**

The PICO® Very Fast-Acting Fuse is designed to meet an extensive array of performance characteristics in a space-saving subminiature package.

**Features**

- Very fast-acting
- Small size
- High current rating (20A- 30A)
- RoHS compliant
- Wide operating temperature range
- Low temperature derating

**Applications**

- Power supply
- PC server
- Networking equipment
- Storage system

**Agency Approvals**

Agency	Agency File Number	Ampere Range
cRUUS	E10480	20A - 30A

**Additional Information**



Datasheet



Resources



Samples

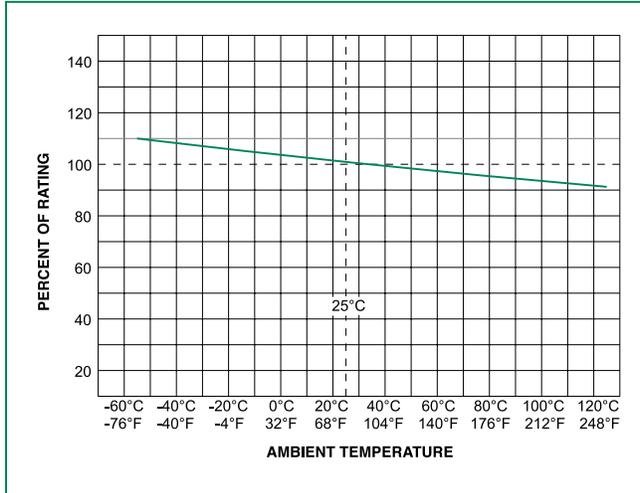
**Electrical Characteristics**

% of Ampere Rating	Ampere Rating	Opening Time
100%	20A - 30A	4 Hours, <b>Min.</b>
200%	20A - 30A	10 Seconds, <b>Max.</b>

**Electrical Characteristics**

Ampere Rating (A)	Amp Code	Ordering Number	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec)	Agency Approvals
							cRUUS
20.0	020.	0275020.	32	300A@32VDC 100A@32VAC	0.0033	203	x
25.0	025.	0275025.	32		0.0024	288	x
30.0	030.	0275030.	32		0.0020	355	x

## 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:

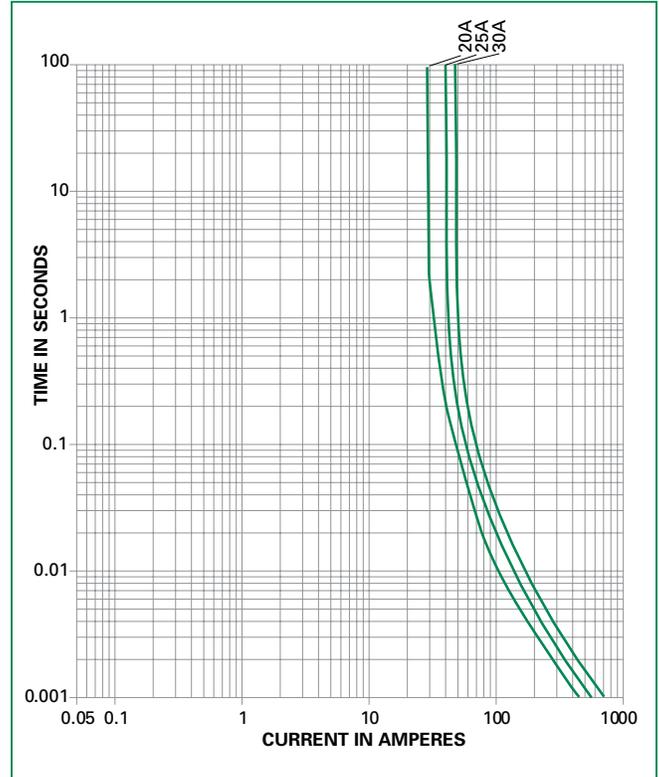
Wave Parameter	Lead-Free Recommendation
<b>Preheat:</b> (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180 seconds
<b>Solder Pot Temperature:</b>	260°C Maximum
<b>Solder Dwell Time:</b>	2-5 seconds

### 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.**

## Average Time Current Curves

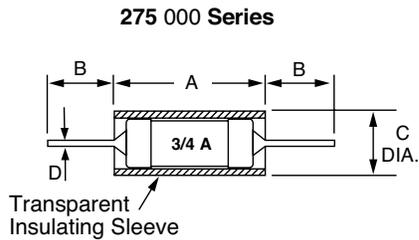


**Product Characteristics**

<b>Materials</b>	Transparent Polyvinylidene Fluoride sleeve covered body, pure tin plated copper wire leads
<b>Solderability</b>	MIL-STD-202, Method 208
<b>Lead Pull Force</b>	MIL-STD-202, Method 211, Test Condition A (will withstand a 5lbs. axial pull test)

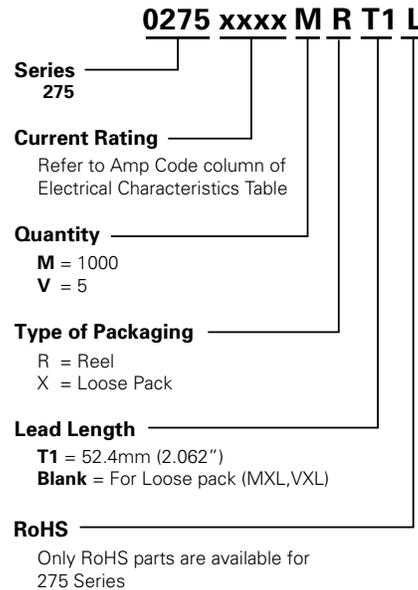
<b>Operating Temperature</b>	-60°C to +125°C (Consider re-rating)
<b>Shock</b>	MIL-STD-202, Method 213, Test Condition I (100 G's peak for 6 milliseconds) and per method 2028 (78G's peak for 11 milliseconds)
<b>Vibration</b>	MIL-STD-202, Method 201 (10-55 Hz); Method 204, Test Condition D (Vibrations of 10-2000 cps at 20 G's)
<b>Moisture Resistance</b>	MIL-STD-202, Method 106

**Dimensions**



Amperage	Dimensions in mm (inches)			
	A	B	C	D
20 - 30	7.87 (.31")	27.78 (1.094")	3.38 (.133")	1.016 (.040")

**Part Numbering System**



**Packaging**

Packaging Option	Packaging Specification	Quantity & Packaging Code
T1: 52.4mm (2.062") Tape and Reel	EIA 296	Please refer to available quantities above in "Part Numbering System"

The default lead length for loose pack is T1.

**Disclaimer Notice** - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at [www.littelfuse.com/disclaimer-electronics](http://www.littelfuse.com/disclaimer-electronics).