# **ROHS 265/266/267 Series,** PICO<sup>®</sup>, Very Fast-Acting Fuse (High-Reliability)



ittelfuse

Expertise Applied | Answers Delivered

Agency Approvals				
Agency	Agency File Number	Ampere Range		
<b>7</b>	E10480	062mA - 15A		
(Sfr)	LR 29862	062mA - 10A		
QPL	FM08A	062mA - 10A		

## Description

The 265/266/267 Series are high–reliability PICO® Fuses, that are very fast-acting, with an insulating sleeve. These fuses provide supplemental protection in enduse equipment to provide protection for components or internal circuits. They are not suitable for branch or feeder circuit use. The Military version of the 265 Series (except 1/16 ampere rating) is available in FM08A on QPL for MIL-PRF-23419/8. To order, change 265 to 267.

#### Features

- Military grade available
- RoHS compliant
- Available from 62mA to 15A
- Available in axial and radial leaded
- Available in miniature and subminiature formats

#### **Electrical Characteristics**

% of Ampere Rating	Ampere Rating	OpeningTime
100%	1/16–15	4 Hours, <b>Min.</b>
	1/16–7	1 Second, <b>Max.</b>
200%	10	3 Second, <b>Max.</b>
	15	10 Second, <b>Max.</b>

Ampere		Max			Ag	ency Approv	vals
Rating (A)	Amp Code	Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	71	<b>()</b>	QPL
0.062	.062	125		7.0000	Х	Х	Х
0.125	.125	125		2.1000	Х	Х	X
0.250	.250	125		0.7100	Х	Х	X
0.375	.375	125		0.4200	Х	Х	X
0.500	.500	125		0.2800	Х	Х	X
0.750	.750	125		0.1700	Х	Х	X
1.00	001.	125		0.1250	Х	Х	X
1.50	01.5	125	300 amperes at rated voltage $\rm V_{\rm \tiny DC}$	0.0800	Х	Х	X
2.00	002.	125	50 amperes at rated voltage $V_{AC}$	0.0550	Х	Х	X
2.50	02.5	125	and a second	0.0420	Х	Х	X
3.00	003.	125		0.03515	Х	Х	X
4.00	004.	125		0.0230	Х	Х	X
5.00	005.	125		0.0140	Х	Х	X
7.00	007.	125		0.0100	Х	Х	X
10.0	010.	125		0.00645	Х	Х	X
15.0	015.	32		0.0040	Х	Х	X

**Electrical Characteristics** 

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#### **Temperature Rerating Curve**

#### Average Time Current Curves



Note:

 Derating 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:	280° 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.



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## **Product Characteristics**

Materials	Body: White Thermoplastic Gold-Plated Copper Leads, Type II		
Weight	.32 Grams		
Solderability	MIL-STD-202, Method 208		
Lead Pull Force	MIL-STD-202, Method 211, Test Condition A (will withstand a 5 lbs. axial pull test) AQL (Electrical Characteristics): Certified to 1% AQL		
Sampling	Per MIL-STD-105, Inspection Level II. Traceability and Identification Records: Controlled by lot number and retained on file for a minimum of three years. Copies of Lot Certification Test data available when requested with order		
Options	Special screening tests, burn-in, etc. can be supplied on special order to meet specific requirements. For information on higher current ratings, contact Littelfuse. 267 series fuses are offered with optional solder coated leads. To order, enter XT as the end suffix (see Part Numbering System section)		

Operating Temperature	-55°C to +125°C		
Shock	MILSTD-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		
Seal Test	MIL-STD-202, Method 112, Test Condition A		
Insulation Resistance (After Opening)	MIL-STD-202, Method 302, Test Condition A (1/2 Megohm minimum)		
Thermal Shock	MIL-STD-202, Method 107, Test Condition B (–65°C to 125°C).		
Moisture Resistance	MIL-STD-202, Method 106		
Fuses To MIL SPEC	265 Series (except 1/16 ampere rating) is available in FM08A on QPL for MIL-PRF-23419/8. To order, change 265 to 267		

### Part Numbering System



265/266/267

## Dimensions





(Note 1: 9.14 (.36") for 15 amp rating)

# Packaging

Packaging Option	Quantity	Quantity & Packaging Code	
Bulk Pack	5	V	

