

Axial Lead & Cartridge Fuses

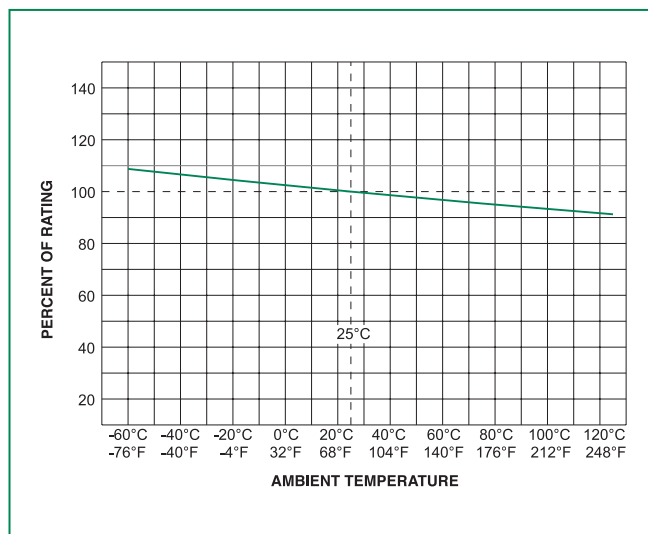
5×20 mm > Fast-Acting > 617 Series

Electrical Characteristic Specifications by Item

Amp Code	Amp Rating (A)	Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec)	Maximum Voltage Drop at Rated Current (mV)	Maximum Power Dissipation At 1.5I _n (W)	Agency Approvals				
								CCC	RU	SP	CE	DVE
.400	0.4	250	35A@250Vac	0.2770	0.12500	1200	1.6	x	x	x	x	x
.500	0.5	250		0.2065	0.21500	1000	1.6	x	x	x	x	x
.630	0.63	250		0.1900	0.41000	650	1.6	x	x	x	x	x
.800	0.8	250		0.1203	0.85000	240	1.6	x	x	x	x	x
001.	1	250		0.0964	1.04500	200	1.6	x	x	x	x	x
1.25	1.25	250		0.0701	2.23000	200	1.6	x	x	x	x	x
01.6	1.6	250		0.0528	4.61500	190	1.6	x	x	x	x	x
002.	2	250		0.0416	5.73000	170	1.6	x	x	x	x	x
02.5	2.5	250		0.0334	9.46000	170	1.6	x	x	x	x	x
3.15	3.15	250	40A@250Vac	0.0224	17.72000	150	2.5	x	x	x	x	x
004.	4	250		0.0165	29.16500	130	2.5	x	x	x	x	x
005.	5	250		0.0137	42.79500	130	2.5	x	x	x	x	x
06.3	6.3	250		0.0095	62.46500	130	2.5	x	x	x	x	x
008.	8	250		0.0068	198.16000	130	4		x		x	x*
010.	10	250		0.0063	217.63500	130	4		x		x	x*

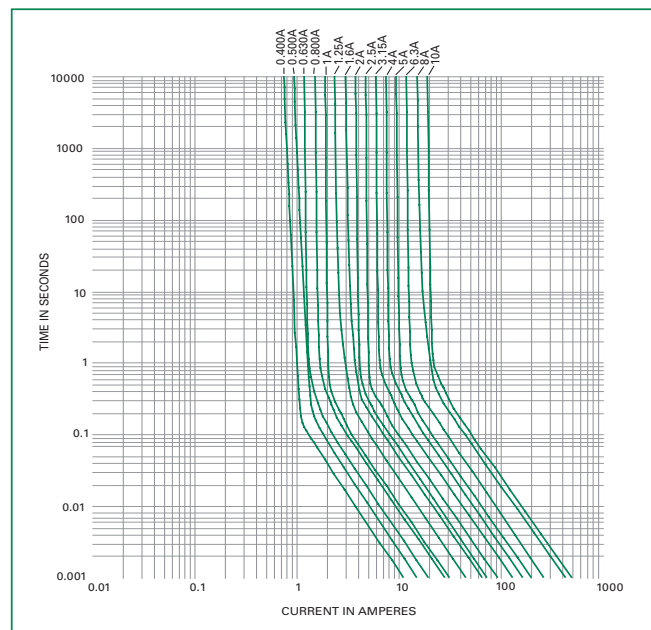
* Approval for cartridge versions only.

Temperature Re-rating Curve

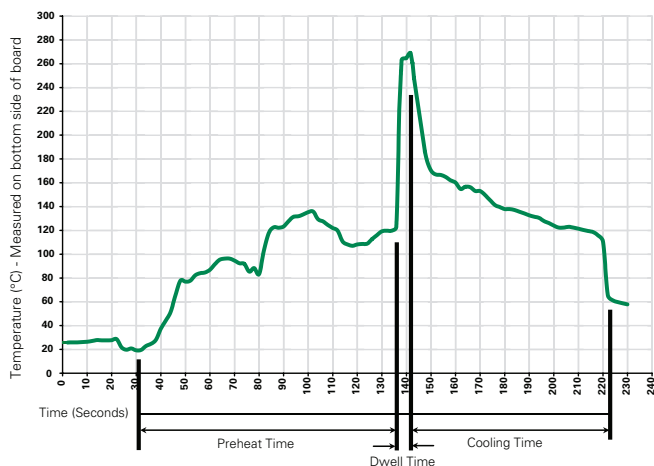


Note:
Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters - Wave Soldering



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.

Product Characteristics

Material	Body: Glass Cap: Nickel-plated brass Leads: Tin-plated Copper
Terminal Strength	MIL-STD-202, Method 211, Test Condition A
Solderability	MIL-STD-202 method 208
Product Marking	Cap1: Brand logo, current and voltage ratings Cap2: Agency approval marks
Packaging	Available in Bulk (M=1000 pcs/pkg) or on Tape/Reel (MRET1=1000 pcs/reel)

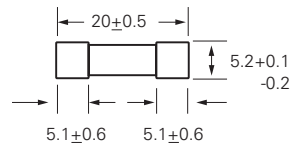
Operating Temperature	-55°C to +125°C
Thermal Shock	MIL-STD-202, Method 107, Test Condition B: (5 cycles -65°C to +125°C)
Vibration	MIL-STD-202, Method 201
Humidity	MIL-STD-202, Method 103, Test Condition A. high RH (95%) and elevated temperature (40°C) for 240 hours.
Salt Spray	MIL-STD-202, Method 101, Test Condition B

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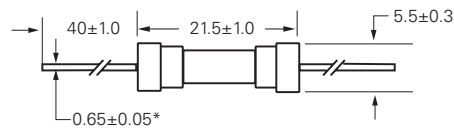
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Dimensions

0617 000P



0617.400 XEP
to
0617010 XEP

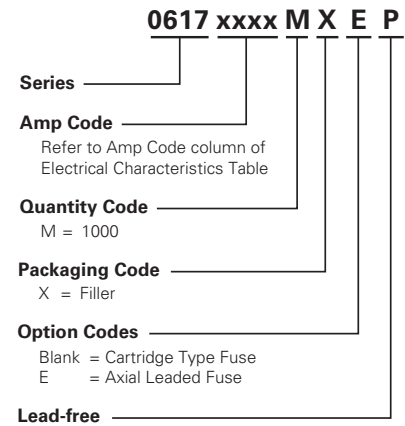


All dimensions in mm

Notes:

* Ratings above 6.3A have 0.8±0.05 diameter lead.

Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
617 Series				
Bulk	N/A	1000	MX	N/A
Bulk	N/A	1000	MXE	N/A
Reel and Tape	EIA 296-E	1000	MRET1	T1=53mm (2.087")
Bulk	N/A	1000	MXG	N/A
Bulk	N/A	1000	MXB	N/A
Bulk	N/A	100	HX	N/A