

### Electrical Specification by Item

Amp Code	Ampere Rating (A)	Voltage Rating (V)	Interrupting Rating*	Nominal Cold Resistance (Ohms)	Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec)***	Agency Approvals						
						UL	CS	K	cULus	PS E	CE	△
0.375	0.375	250	35 A @ 250 VAC 10 kA @ 125 VAC 10 kA @ 125 VDC	0.820	0.210	x	x	-	-	-	x	-
0.5	0.5	250		0.500	0.639	x	x	-	-	-	x	-
0.75	0.75	250		0.250	2.061	x	x	-	-	-	x	-
1.0	1	250	100 A @ 250 VAC 10 kA @ 125 VAC 10 kA @ 125 VDC	0.189	0.690	x	x	-	-	x	x	-
2.0	2	250		0.0700	5.700	x	x	-	-	x	x	-
3.0	3	250		0.0432	14.6	x	x	x	-	x	x	-
4.0	4	250	750 A @ 250 VAC 10 kA @ 125 VAC 10 kA @ 125 VDC	0.0470	10.4	x	x	x	-	x	x	-
5.0	5	250		0.0300	26.0	x	x	x	-	x	x	-
6.0	6	250		0.0240	45.0	x	x	x	-	x	x	-
7.0	7	250		0.0187	71.0	x	x	x	-	x	x	-
8.0	8	250		0.0153	105	x	x	x	-	x	x	-
10.0	10	250		0.0105	206	x	x	x	-	x	x	-
10.0*	10	280		0.0105	206	-	-	-	x	-	x	-
12.0	12	250		0.00760	570	x	x	x	-	x	x	-
15.0	15	250		0.00505	292	x	x	x	-	x	x	x****
15.0*	15	280		0.00505	292	-	-	-	x	-	x	-
20.0	20	250	1000 A @ 250 VAC 200 A @ 300 VAC 10 kA @ 125 VAC 10 kA @ 125 VDC	0.00355	631	-	x	x	x	x	x	x****
20.0*	20	280		0.00355	631	-	-	-	x	-	x	-
25.0	25	250		0.00235	1450	-	-	x	x	x	x	-
25.0**	25	280	1000 A @ 250 VAC 1000 A @ 75 VDC 400 A @ 125 VAC 400 A @ 125 VDC	0.00235	1450	-	-	-	x	-	x	-
30.0	30	250		0.00182	2490	-	-	x	x	x	x	-
40.0	40	250	1000 A @ 250 VAC 400 A @ 150 VDC	0.0014	22925	-	-	-	x	-	x	-

\* 350A@280VAC interrupting rating available for 10A, 15A and 20A.

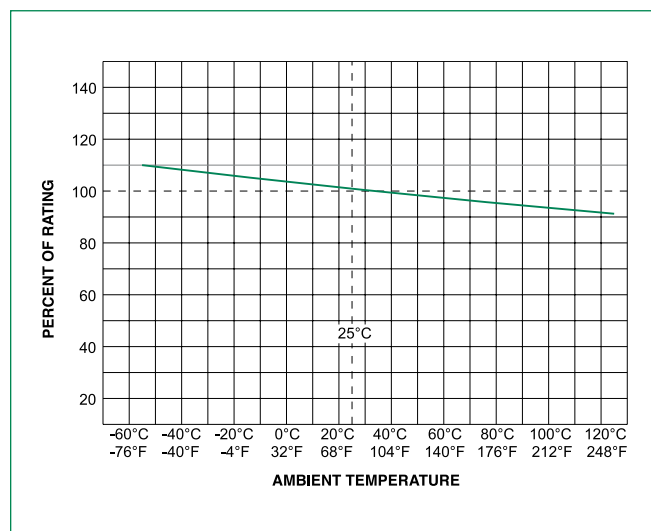
\*\* 50A@280VAC for 25A. Add suffix '280'. Example: 0324020.MX280P.

\*\*\*I<sup>2</sup>t test at 10x rated current

\*\*\*\*Approved for axial leaded versions only, and interrupting rating is 750A@250VAC for 15A, 1000A@250VAC for 20A

+ Interrupting Rating may differ based on Agency Approval. See Agency Approval certificate for more details.

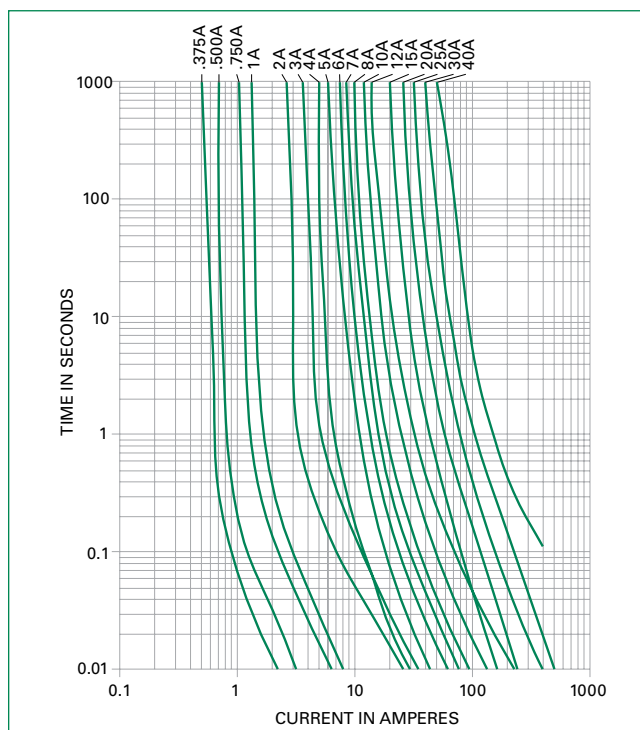
### Temperature Re-rating Curve



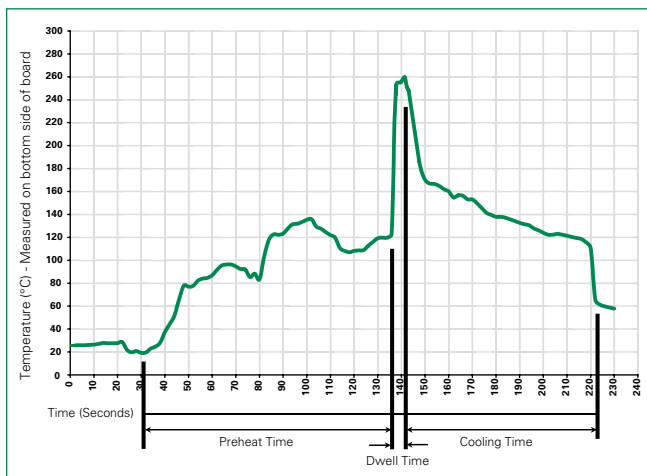
**Note:**

Re-rating 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.

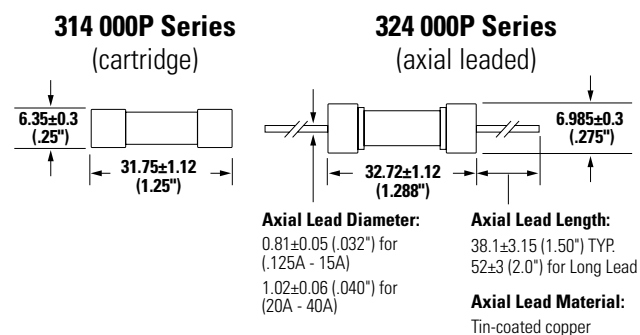
**Note:** These devices are not recommended for IR or Convection Reflow process.

### Product Characteristics

<b>Materials</b>	<b>Body:</b> Ceramic <b>Cap:</b> Nickel-plated Brass <b>Leads:</b> Tin-plated Copper
<b>Terminal Strength</b>	MIL-STD-202, Method 211, Test Condition A
<b>Solderability</b>	MIL-STD-202 Method 208
<b>Product Marking</b>	<b>Cap1:</b> Brand logo, current and voltage ratings <b>Cap2:</b> Series and agency approval marks

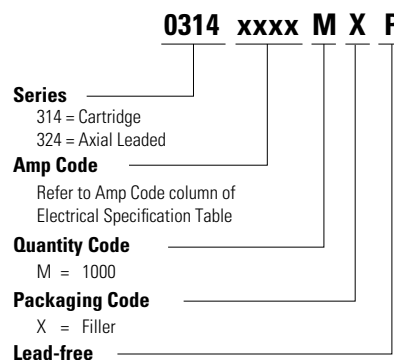
<b>Operating Temperature</b>	-55°C to +125°C
<b>Thermal Shock</b>	MIL-STD-202, Method 107, Test Condition B (5 cycles, -65°C to +125°C)
<b>Vibration</b>	MIL-STD-202, Method 201
<b>Humidity</b>	MIL-STD-202, Method 103, Test Condition A (High RH (95%) and Elevated temperature (40°C) for 240 hours)
<b>Salt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

### Dimensions



Measurements displayed in millimeters (inches)

### Part Numbering System



### Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
<b>314 Series</b>				
Bulk	N/A	5	VX	N/A
Bulk	N/A	100	HX	N/A
Bulk	N/A	1000	MX	N/A
Bulk	N/A	1000	MX52L (long lead)	N/A
Bulk	N/A	1000	MXCC	N/A
Bulk	N/A	1000	MX52LE (long lead)	N/A
<b>324 Series</b>				
Bulk	N/A	5	VX	N/A
Bulk	N/A	100	HX	N/A
Bulk	N/A	1000	MX	N/A
Bulk	N/A	1000	MX280	N/A
Bulk	N/A	1000	MX52L	N/A
Bulk	N/A	1000	MXF24	N/A

### Recommended Accessories

Accessory Type	Series	Description	Max Application Voltage	Max Application Amperage
Holder	<a href="#">155100</a>	Twist-Lock In-Line Fuseholder	32	20
	<a href="#">342</a>	Traditional Panel Mount Fuseholder	250	20
	<a href="#">346</a>	Panel Mount Flip-Top Shock-Safe Fuseholder	250	15
	<a href="#">345</a>	Shock-Safe Fuseholder with PC Mount, Solder Mount and Panel Mount options	250	20
Block	<a href="#">354</a>	Low Profile OMNI-BLOK® Fuse Block	600	30
	<a href="#">359</a>	High Current Screw Terminal Fuse Block		30
Clip	<a href="#">122</a>	High Current Traditional PC Board Fuse Clip	1000	30
	<a href="#">101</a>	Rivet/Eyelet Type Fuse Clip	1000	15

#### Notes:

1. Do not use in applications above rating.
2. Please refer to fuseholder data sheet for specific re-rating information.
3. Please contact factory for applications greater than the max voltage and amperage shown.