

325/326 Series Lead-Free 3AB, Slo-Blo® Fuse



**Description**

The 3AB Slo-Blo® Fuse with ceramic body construction permits higher interrupting ratings and voltage ratings. Ideal for applications where high current loads are expected.

**Features**

- In accordance with UL Standard 248-14
- Available in cartridge and axial lead format and with various forming dimensions
- RoHS compliant and Lead-free

**Applications**

Used as supplementary protection in appliance or utilization equipment to provide individual protection for components or internal circuits.

**Agency Approvals**

Agency	Agency File Number	Ampere Range
	E10480	0.250A - 10A
	E10480	12A - 30A
	29862	0.250A - 30A
	Cartridge: NBK 030805-E10480A NBK 030805-E10480C NBK 030805-E10480E NBK 260106-JP1021A Leaded: NBK 030805-E10480B NBK 030805-E10480D NBK 030805-E10480F NBK 260106-JP1021B	1A-3.2A 4A-5A 6.25A-15A 20A-30A 1A-3.2A 4A-5A 6.25A-15A 20A-30A
	SU05001-5010 SU05001-5011 SU05001-5012 SU05001-6006 SU05001-6007	7-10A 12A, 15A 20A 2.8A-3.2A 2.5A
	T 50239752 01	*12A/*15A/*20A
	N/A	0.010A - 30A

\* Approved for cartridge version only

**Electrical Characteristics for Series**








% of Ampere Rating	Ampere Rating	Opening Time
100%	0.010A – 30A	4 hours, Minimum
135%	0.010A – 30A	1 hour, Maximum
200%	0.010A – 3.2A	5 sec., Min., 30 sec., Max.
	4A – 30A	5 sec., Min., 60 sec., Max.

**Additional Information**

 <b>Datasheet</b> 325 Series	 <b>Resources</b> 325 Series	 <b>Samples</b> 325 Series	 <b>Accessories</b> 325 Series
 <b>Datasheet</b> 326 Series	 <b>Resources</b> 326 Series	 <b>Samples</b> 326 Series	 <b>Accessories</b> 326 Series

For recommended fuse accessories for this product series, see '[Recommended Accessories](#)' section.

### Electrical Characteristic Specifications 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								
														
.010	0.01	250	100A@250Vac	3324.8000	0.00013						x			
.031	0.031	250		332.5000	0.0110							x		
.062	0.062	250		91.7000	0.0276							x		
.100	0.1	250		33.5500	0.0870							x		
.125	0.125	250		22.4500	0.100							x		
.150	0.15	250		15.4500	0.143							x		
.175	0.175	250		8.9200	0.350							x		
.187	0.187	250		7.7250	0.330							x		
.200	0.2	250		6.7700	0.316							x		
.250	0.25	250		4.4300	0.804				x	x	x			
.300	0.3	250	3.2200	1.230				x	x	x				
.375	0.375	250	2.1550	1.20				x	x	x				
.400	0.4	250	1.9350	1.33				x	x	x				
.500	0.5	250	1.3000	4.80				x	x	x				
.600	0.6	250	0.9495	3.90				x	x	x				
.700	0.7	250	0.7215	6.42				x	x	x				
.750	0.75	250	0.6410	13.00				x	x	x				
.800	0.8	250	0.5725	8.20				x	x	x				
001.	1	250	100A@250Vac 10KA@125Vac 10KA@125Vdc	0.3890	16.3	x		x	x	x				
01.2	1.2	250		0.2860	22.0	x		x	x	x				
1.25	1.25	250		0.2680	40.0	x		x	x	x				
01.5	1.5	250		0.1975	59.7	x		x	x	x				
01.6	1.6	250		0.1760	66.0	x		x	x	x				
002.	2	250		0.1210	118.0	x		x	x	x				
02.5	2.5	250		0.0835	185.0	x		x	x	x			x	
02.8	2.8	250		0.0695	232.0	x		x	x	x			x	
003.	3	250		0.0605	200.0	x		x	x	x			x	
03.2	3.2	250		100A@250Vac 10KA@125Vac	0.0539	214.0	x		x	x	x			x
004.	4	250	400A@250Vac 10KA@125Vac 10KA@125Vdc	0.0761	9.71	x		x	x	x				
005.	5	250		0.0522	25.0	x		x	x	x				
6.25	6.25	250		0.0346	60.4	x		x	x	x				
007.	7	250		0.0227	47.3	x		x	x	x			x	
008.	8	250		0.0193	67.1	x		x	x	x			x	
010.	10	250	0.0132	137	x		x	x	x			x		
012.	12	250	400A@250Vac 10KA@125Vac 600A@125Vdc	0.0067	129	x	x	x		x	x***		x	
012.*	12	250	1500A@250Vac	0.0011	618			x	x		x			
015.	15	250	400A@250Vac 10KA@125Vac 600A@125Vdc	0.0050	245	x	x	x		x	x***		x	
015.*	15	250	1500A@250Vac	0.0083	760			x	x		x			
020.	20	250	400A@250Vac 10KA@125Vac 600A@125Vdc	0.0034	575	x	x	x		x	x***		x	
020.*	20	250	1500A@250Vac	0.0042	2500			x	x		x			
025.**	25	250	1500A@250Vac	0.0032	4682			x			x			
025.	25	250	400A@250Vac 10KA@60Vdc	0.0024	1030	x	x	x		x				
030.	30	250	600A@125Vdc	0.0019	1690	x	x	x		x				

\*Higher I<sup>2</sup>t version available. Please add suffix "D" to part numbers. For instance, 0325020.MXDP, 0326020.MXDP  
I<sup>2</sup>t test at 10x rated current.

\*\*Higher I<sup>2</sup>t version available. Please add suffix "W" to part numbers. For instance, 0325025.MXWP

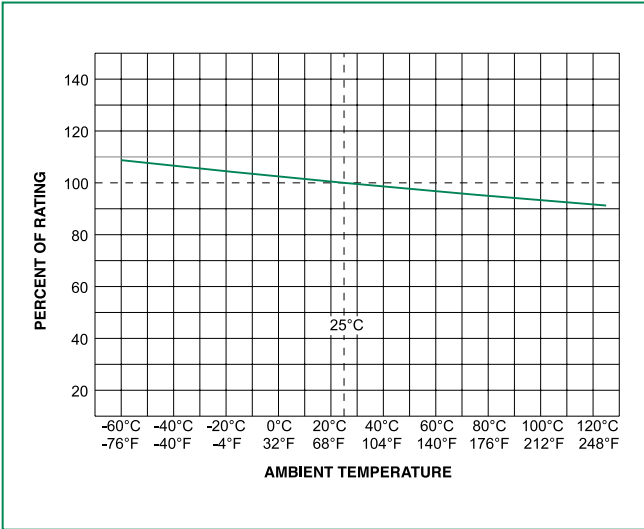
\*\*\*Approved for cartridge versions only, and interrupting rating is 400A@125Vac and 400A@250Vac

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Specifications are subject to change without notice.

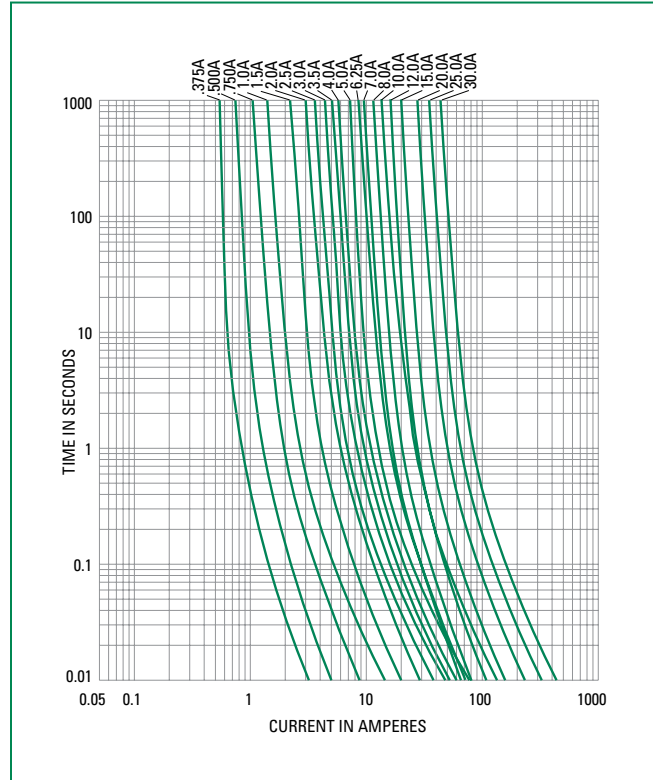
Revised: 12/16/16

**Temperature Re-rating Curve**

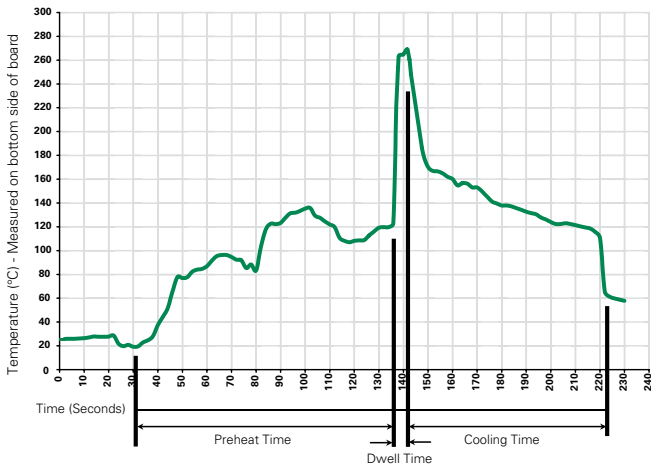


Note:  
Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

**Average Time Current Curves**



**Soldering Parameters - Wave Soldering**



**Recommended Process Parameters:**

Wave Parameter	Lead-Free Recommendation
<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.**

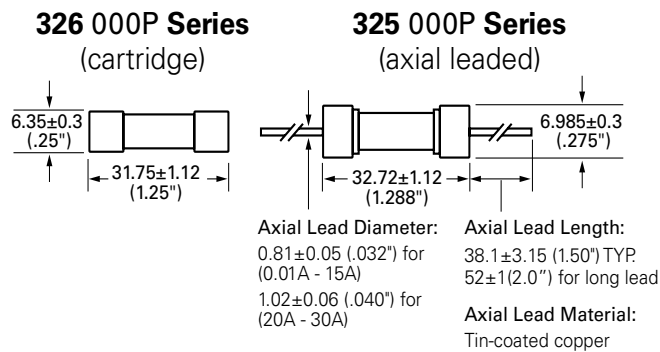
### Product Characteristics

<b>Materials</b>	Body: Ceramic Cap: Nickel-plated brass Leads: 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>	Cap1: Brand logo, current and voltage ratings Cap2: Series and agency approval marks

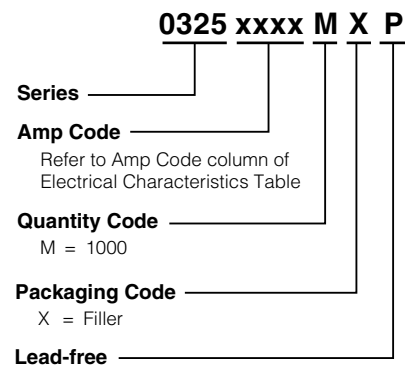
<b>Operating Temperature</b>	-55°C to +125°C
<b>Thermal Shock</b>	MIL-STD-202, Method 107, Test Condition B:(5 cycles - 65°C to 125°C)
<b>Vibration:</b>	MIL-STD-202, Method 201
<b>Humidity</b>	MIL-STD-202, Method 103, Test Condition A: High RH (95%) and Elevated temperature(40°C) for 240 hours
<b>Salt 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>325 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	MX52 (long lead)	N/A
Bulk	N/A	1000	MX52L (long lead)	N/A
Bulk	N/A	1000	MXD	N/A
Bulk	N/A	1000	MXF31	N/A
Bulk	N/A	1000	MXW	N/A
<b>326 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	MXCC	N/A
Bulk	N/A	1000	MXD	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 Littelfuse for applications greater than the max voltage and amperage shown.

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