

RoHS **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	250mA - 10A
	E10480	12A - 30A
	LR 29862	250mA - 30A
	NBK 030805-E10480A-F/ NBK 260106-JP1021A/B	1A - 30A
	SU05010-5012/6006/6007/7005	2.5A - 3.2A/ 7A - 30A
		10mA - 30A







### Electrical Characteristics for Series

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

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325/326 Series

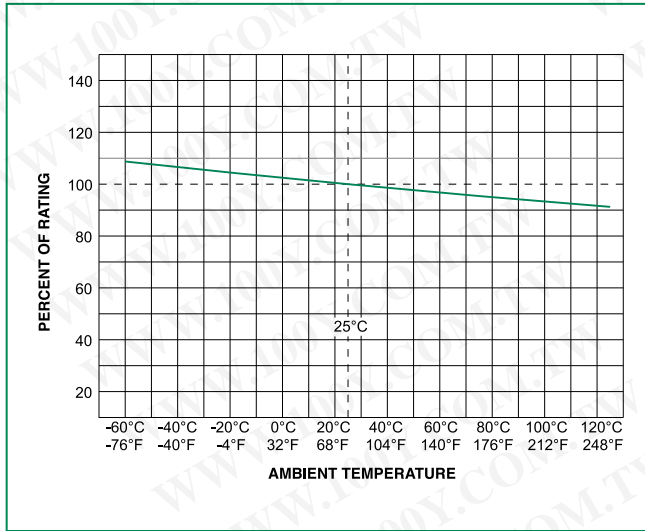
### Electrical Characteristic Specifications by Item

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	0.00148					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	0.220						x	
.187	0.187	250		7.7250	0.230						x	
.200	0.2	250		6.7700	0.213						x	
.250	0.25	250		4.4300	0.432			x	x	x		
.300	0.3	250		3.2200	0.690			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	2.50			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	7.00			x	x	x			
.800	0.8	250	100A@250Vac 10KA@125Vac 10KA@125Vdc	0.5725	8.20		x	x	x			
001.	1	250	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	24.0	x		x	x	x			
01.5	1.5	250	0.1975	40.1	x		x	x	x			
01.6	1.6	250	0.1760	45.0	x		x	x	x			
002.	2	250	0.1210	80.0	x		x	x	x			
02.5	2.5	250	0.0835	136.0	x		x	x	x	x		
02.8	2.8	250	0.0695	170.0	x		x	x	x	x		
003.	3	250	0.0605	200.0	x		x	x	x	x		
03.2	3.2	250	100A@250Vac 100KA@125Vac	0.0539	214.0	x		x	x	x	x	
004.	4	250	400A@250Vac 10KA@125Vac	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 500A@60Vdc	0.0067	129	x	x	x		x	x	
012.*	12	250		0.0011	445		x	x		x		
015.	15	250		0.0050	245	x	x	x		x	x	
015.*	15	250		0.0083	760		x	x		x		
020.	20	250		0.0034	575	x	x	x		x	x	
020.*	20	250		0.0042	1900		x	x		x		
025.	25	125		400A@125Vac 10KA@60Vdc	0.0024	1030	x	x	x		x	x
030.	30	125	600A@125Vdc	0.0019	1690	x	x	x		x	x	

\*Higher I<sup>2</sup>t version available. Q325020.MXDP nominal I<sup>2</sup>t is 2507 A<sup>2</sup> Sec

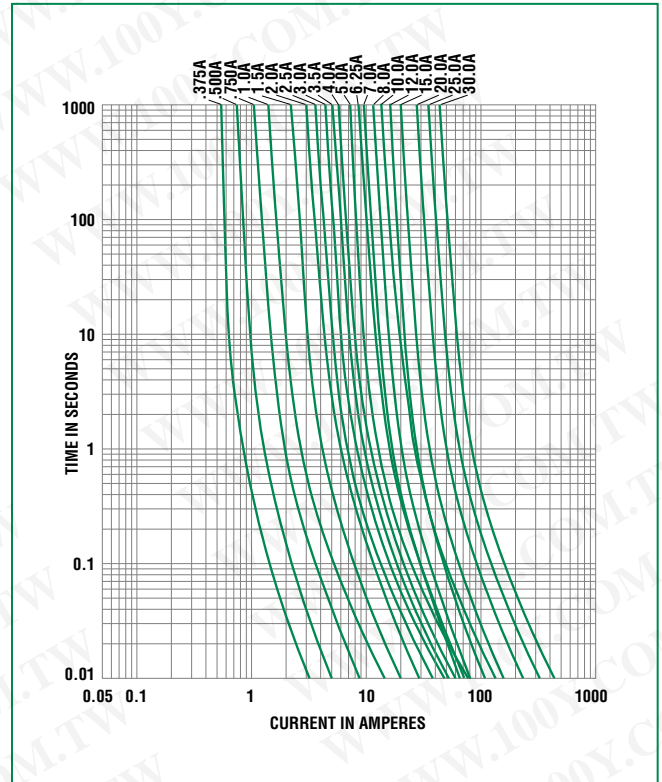
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## Temperature Derating Curve

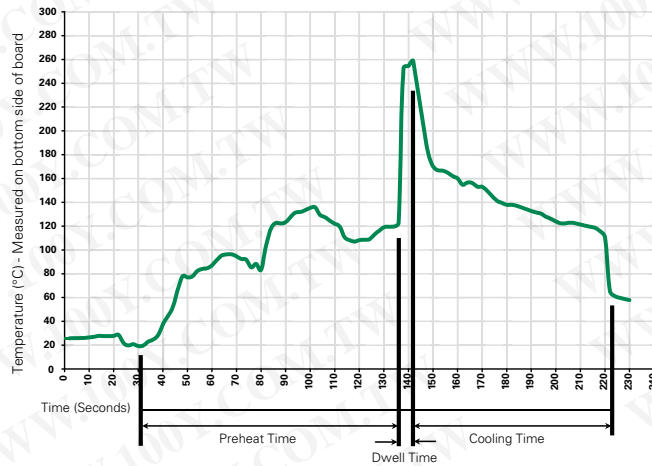


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## Average Time Current Curves



## 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.**

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### Product Characteristics

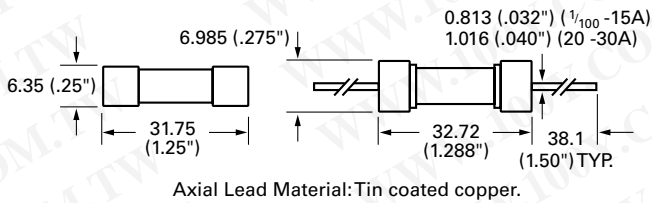
<b>Materials</b>	Body: Ceramic Cap: Nickel-plated brass Leads: Tin-plated Copper
<b>Terminal Strength</b>	MIL-STD-202G, Method 211A, Test Condition A
<b>Solderability</b>	Reference IEC 60127 Second Edition 2003-01 Annex A
<b>Product Marking</b>	Cap1: Brand logo, current and voltage ratings Cap2: Series and agency approval marks

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

### Dimensions

#### 326 000P Series

#### 325 000P Series



### Part Numbering System

#### 0325 xxxx M X P

- Series** ————
- Amp Code** ————  
Refer to Amp Code column of Electrical Characteristics Table
- Quantity Code** ————  
M = 1000
- Packaging Code** ————  
X = Filler
- Lead-free** ————

### Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Reel Size
<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	N/A
Bulk	N/A	1000	MX52L	N/A
Bulk	N/A	1000	MXD	N/A
Bulk	N/A	1000	MXF31	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

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