

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



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

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
- RoHS compliant and Lead-free
- Available in cartridge and axial lead format and with various forming dimensions

Applications

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

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



**Datasheet
325 Series**



**Resources
325 Series**



**Samples
325 Series**



**Accessories
325 Series**



**Datasheet
326 Series**



**Resources
326 Series**



**Samples
326 Series**



**Accessories
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 ² t (A ² sec)	Agency Approvals						
						PS E	UL	SP	UL	CE	△	Ⓚ
.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	100A@250Vac 10KA@125Vac 10KA@125Vdc	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		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		

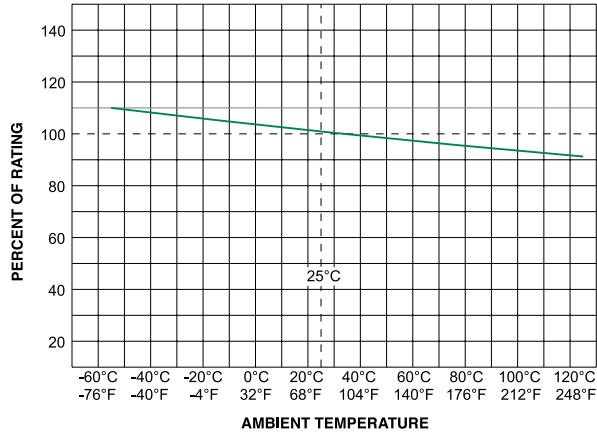
*Higher I²t version available. Please add suffix "D" to part numbers. For instance, 0325020.MXDP, 0326020.MXDP

I²t test at 10x rated current.

**Higher I²t version available. Please add suffix "W" to part numbers. For instance, 0325025.MXWP

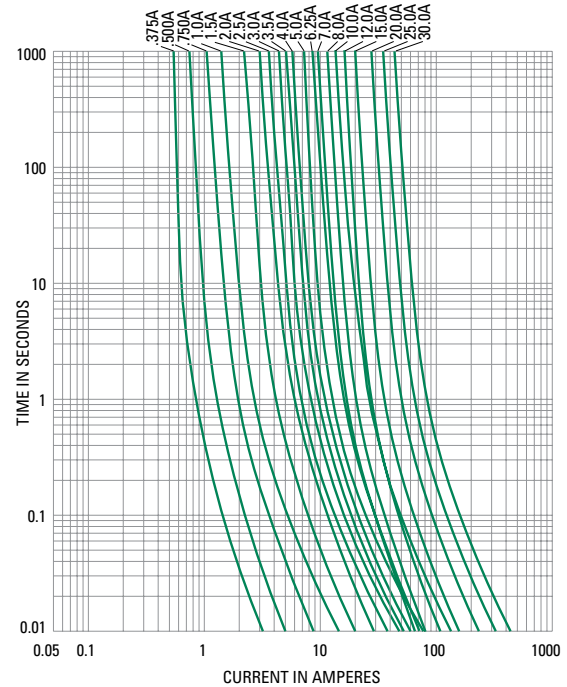
***Approved for cartridge versions only, and interrupting rating is 400A@125Vac and 400A@250Vac

Temperature Re-rating Curve

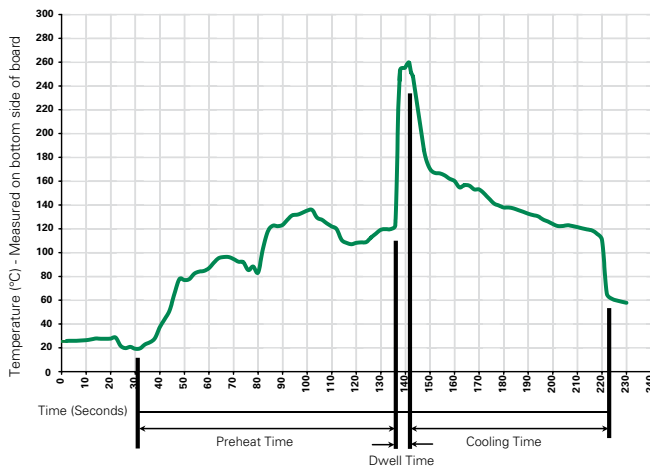


Note:
Derating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

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.

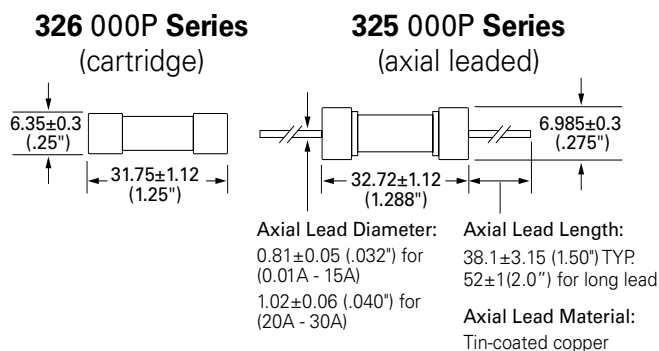
Product Characteristics

Materials	Body: Ceramic 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: Series and agency approval marks

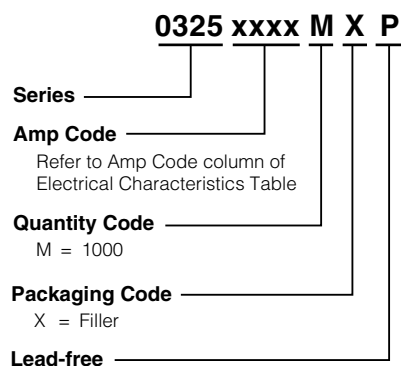
Operating Temperature	-55°C to +125°C
Thermal Shock	MIL-STD-202, Method 107, Test Condition B: (5 cycles - 65°C to 125°C)
Vibration:	MIL-STD-202, Method 201
Humidity	MIL-STD-202, Method 103, Test Condition A: High RH (95%) and Elevated temperature (40°C) for 240 hours
Salt Spray	MIL-STD-202, Method 101,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

Dimensions

Measurements displayed in millimeters (inches)



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
325 Series				
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
326 Series				
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	155100	Twist-Lock In-Line Fuseholder	32	20
	342	Traditional Panel Mount Fuseholder	250	20
	346	Panel Mount Flip-Top Shock-Safe Fuseholder	250	15
	345	Shock-Safe Fuseholder with PC Mount, Solder Mount and Panel Mount options	250	20
Block	354	Low Profile OMNI-BLOK® Fuse Block	600	30
	359	High Current Screw Terminal Fuse Block		30
Clip	122	High Current Traditional PC Board Fuse Clip	1000	30
	101	Rivet/Eyelet Type Fuse Clip	1000	15

Notes:

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

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Authorized Distributor

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Littelfuse:

032602.8HXP	0326025.HXP	0325.031HXP	0326.400MXP	0326.250HXP	0326.700HXP	0326007.MXP
0325002.MXP	0326.750HXP	0326010.HXP	0325.100MXP	0325.150MXP	032501.2HXP	0325.375MXP
0325003.HXP	0326.150MXP	0326020.HXP	0325.750MXP	032601.6MXP	0326001.HXP	0326.500HXP
0326.500MXP	0326005.HXP	0325.031MXP	032503.2MXP	0326.400HXP	0326.800HXP	0325.700HXP
032502.5HXP	0326007.HXP	0325.010HXP	0326.375MXP	0326015.MXP	0325.187MXP	0325.600MXP
032501.6HXP	0325015.HXP	032503.2HXP	0326002.HXP	0325004.HXP	03261.25MXP	0326030.HXP
0326.125HXP	0325004.MXP	0325012.MXP	0326.010HXP	0325012.HXP	0325015.MXP	0326012.HXP
032603.2MXP	0325.250MXP	0325008.MXP	0325.250HXP	0325025.MXP	0325003.MXP	0326004.MXP
0325.062HXP	0325.800HXP	0325020.HXP	0326001.MXP	0325.187HXP	032601.2MXP	032501.5HXP
0325025.HXP	0325008.HXP	0325.600HXP	0325010.MXP	0326.300HXP	0326003.HXP	032601.6HXP
0325.800MXP	0325.400MXP	0326005.MXP	0325030.MXP	0326010.MXP	0325020.MXDP	0325.400HXP
0326003.MXP	03261.25HXP	0325.100HXP	032502.8HXP	0325.500MXP	0325.125MXP	0326025.MXP
0325001.HXP	0326.187HXP	0325005.MXP	032601.5HXP	032502.8MXP	03251.25MXP	032601.2HXP
0325.062MXP	0326.600HXP	0326012.MXP	0325.500HXP	0326.375HXP	03256.25MXP	0326008.MXP
0325.300MXP	032501.5MXP					