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322/332 Series Lead-free 3AB, Very Fast-acting Fuse













Description

The 3AB Very Fast-Acting Fuse for protection of Silicon Controlled Rectifiers and similar solid-state devices.

Features

- In accordance with UL Standard 248-14
- Available in cartridge format only
- RoHS compliant and Lead-free

Agency Approvals

Agency	Agency File Number	Ampere Range	Series	
71	E10480	12A - 30A	322	
c FL °us	E10480	1A - 10A	332	
PS E	NBK080306-JP1021A NBK080306-JP1021B	1-5A 6-10A	332	
Œ	N/A	1A - 30A	322/332	

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%	1 – 30	4 hours, Minimum		
250%	1 – 10	.2 second, Maximum		
250%	12 – 30	1 sec.ond, Maximum.		

Electrical Characteristic Specifications by Item

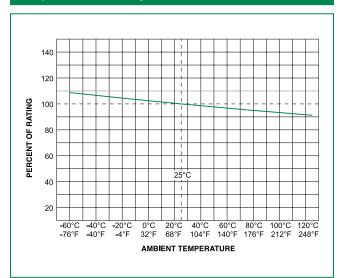
	Ampere	Voltage		Nominal Cold	Nominal		Agency Approvals		
Amp Code Rat	Rating (A)	Rating Rating	Interrupting Rating	Resistance Melting (Ohms) I²t (A² sec)	PS E	<i>9</i> 1	c FL °us	Œ	
001.	1	250		0.0927	0.146	х		х	X
1.25	1.25	250		0.0804	0.204	x		х	Х
002.	2	250		0.0416	0.790	х		х	X
003.	3	250		0.0245	2.760	х		х	X
004.	4	250	100A@250Vac	0.0179	3.360	х		х	х
005.	5	250	100A@125Vdc	0.0128	6.250	х		х	X
006.	6	250	200A@72Vdc	0.0117	8.208	х		х	Х
007.	7	250		0.0108	10.58	х		х	X
008.	8	250		0.0088	16.45	х		х	Х
009.	9	250		0.0077	20.66	х		х	X
010.	10	250		0.0073	24.0	х		х	х
012.	12	65	200A@65Vac 1000A@65Vdc	0.0057	38.0		×		X
015.	15	65		0.0043	59.0		X		X
020.	20	65		0.0034	192.0		×		X
025.*	25	65		0.0029	325.0		х		х
030.*	30	65		0.0023	540.0		х		X

^{*} Ratings from 1A to 10A are available for 332 series

^{*} Ratings from 12A to 30A are available for 322 series, these ratings are RoHS compliant version.

Axial Lead & Cartridge Fuses 3AB > Very Fast-Acting > 322/332 Series

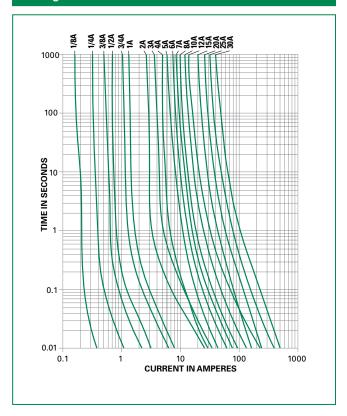
Temperature Re-rating Curve



Note:

Rerating depicted in this curve is in addition to the industry practice derating of 25% for continuous operation.

Average Time Current Curves



Product Characteristics

Materials	Body: Ceramic Cap: Nickel-plated brass			
Terminal Strength	MIL-STD-202, Method 211, Test Condition A			
Solderability	MIL-STD-202 Method 208			
Product Marking	Cap1: Cap2:	Brand logo, current and voltage ratings Series and agency approval marks		

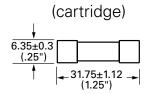
Operating Temperature	-55°C to +125°C
Thermal Shock	MIL-STD-202, Method 107, Test Condition B: (5 cycles -65°C to +125°C)
Vibration	MIL-STD-202, Method 201
Humidity	MIL-STD-202, Method 103, Test Condition A: High RH (95%) and Elevated temperature (40°C) for 240 hours
Salt Spray	MIL- STD-202, Method 101,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



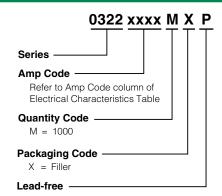
Dimensions

Measurements displayed in millimeters (inches)

322 000P / 332 000P Series



Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Reel Size		
322 Series						
Bulk	N/A	1000	MX	N/A		
Bulk	N/A	100	HX	N/A		
332 Series	332 Series					
Bulk	N/A	100	HX	N/A		
Bulk	N/A	1000	MX	N/A		

Additional Information















322 & 332 Series

For recommended fuse accessories for this product series, see 'Recommended Accessories' section.

Recommended Accessories

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