

# 0326030.HXP Datasheet



|                              |  |
|------------------------------|--|
| DiGi Electronics Part Number | 0326030.HXP-DG   |
| Manufacturer                 | <a href="#">Littelfuse Inc.</a>  |
| Manufacturer Product Number  | 0326030.HXP  |
| Description                  | FUSE CERM 30A 250VAC 125VDC 3AB  |
| Detailed Description         | 30 A 250 V AC 125 V DC Fuse Cartridge, Ceramic Requires Holder 3AB, 3AG, 1/4" x 1-1/4" |

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## Purchase and inquiry

Manufacturer Product Number:

0326030.HXP

Series:

326

Mounting Type:

Requires Holder

Current Rating (Amps):

30 A

Voltage Rating - DC:

125 V

Package / Case:

3AB, 3AG, 1/4" x 1-1/4"

Melting I<sup>2</sup>t:

1690

Operating Temperature:

-55°C ~ 125°C

Size / Dimension:

0.250" Dia x 1.250" L (6.35mm x 31.75mm)

Manufacturer:

Littelfuse Inc.

Product Status:

Active

Fuse Type:

Cartridge, Ceramic

Voltage Rating - AC:

250 V

Response Time:

Slow Blow

Breaking Capacity @ Rated Voltage:

400A AC, 600A DC

Approval Agency:

CE, CSA, K-MARK, PSE, UL

Color:

-

DC Cold Resistance:

0.0019 Ohms

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.10.0040

Moisture Sensitivity Level (MSL):

1 (Unlimited)








ECCN:

EAR99

### 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:<br>NBK 030805-E10480A<br>NBK 030805-E10480C<br>NBK 030805-E10480E<br>NBK 260106-JP1021A<br>Leaded:<br>NBK 030805-E10480B<br>NBK 030805-E10480D<br>NBK 030805-E10480F<br>NBK 260106-JP1021B | 1A-3.2A<br>4A-5A<br>6.25A-15A<br>20A-30A<br>1A-3.2A<br>4A-5A<br>6.25A-15A<br>20A-30A |
|  | SU05001-5010<br>SU05001-5011<br>SU05001-5012<br>SU05001-6006<br>SU05001-6007  | 7-10A<br>12A, 15A<br>20A<br>2.8A-3.2A<br>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
- 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.

#### 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**

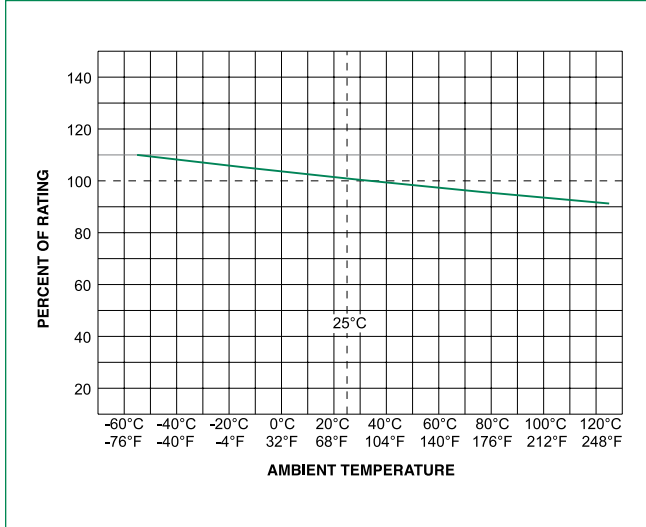
For recommended fuse accessories for this product series, see '[Recommended Accessories](#)' section.

**Electrical Characteristic Specifications by Item**

| Amp Code | Ampere Rating (A) | Voltage Rating (V) | Interrupting Rating                       | Nominal Cold Resistance (Ohms) | Nominal Melting I <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                | 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<br>10KA@125Vac                | 0.0539                         | 214.0   | x   |   | x   | x   | x   |   | x   |
| 004.     | 4                 | 250                | 400A@250Vac<br>10KA@125Vac<br>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<br>10KA@125Vac<br>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<br>10KA@125Vac<br>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<br>10KA@125Vac<br>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<br>10KA@60Vdc                 | 0.0024                         | 1030  | x   | x   | x   |   | x   |   |   |
| 030.     | 30                | 250                | 600A@125Vdc                               | 0.0019                         | 1690  | x   | x   | x   |   | x   |   |   |

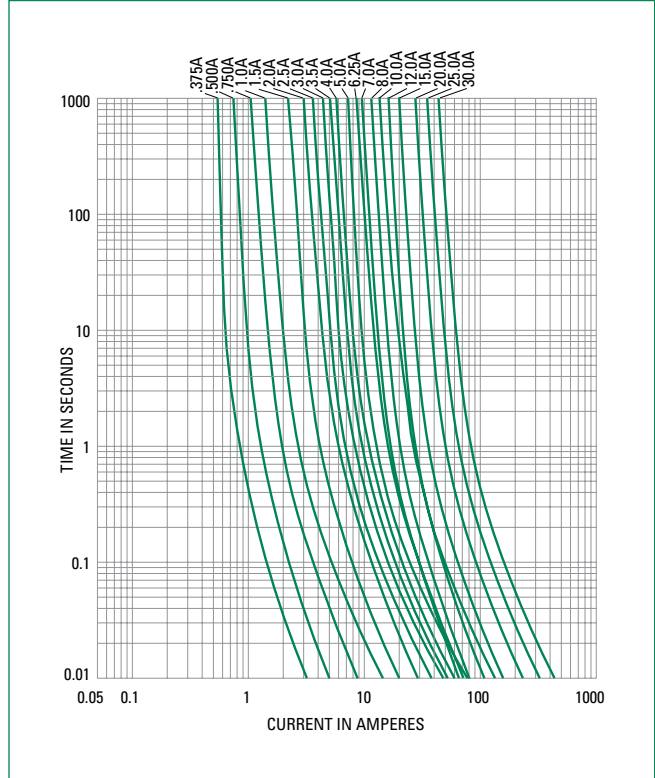
\*Higher I<sup>2</sup>t version available. Please add suffix "D" to part numbers. For instance, 0325020.MXDP, 0326020.MXDP  
 I<sup>2</sup>t test at 10x rated current.  
 \*\*Higher I<sup>2</sup>t version available. Please add suffix "W" to part numbers. For instance, 0325025.MXWP  
 \*\*\*Approved for cartridge versions only, and interrupting rating is 400A@125Vac and 400A@250Vac

**Temperature Re-rating Curve**

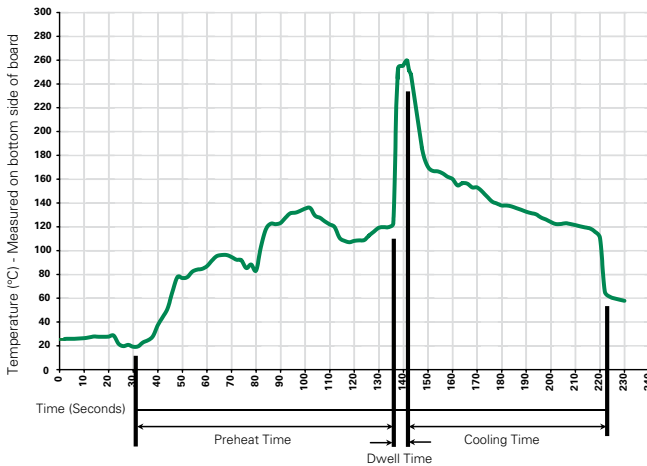


Note:  
Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

**Average Time Current Curves**



**Soldering Parameters - Wave Soldering**



**Recommended Process Parameters:**

| Wave Parameter                                       | Lead-Free Recommendation          |
|--|-----------------------------------|
| Preheat:<br>(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.**

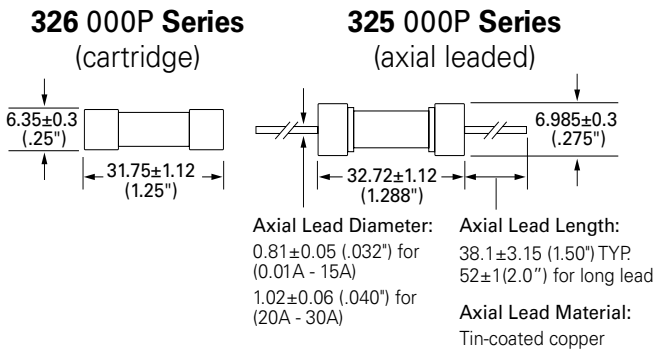
### Product Characteristics

|                          |   |
|--------------------------|---|
| <b>Materials</b>         | Body: Ceramic<br>Cap: Nickel-plated brass<br>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<br>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:

- 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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