

# ANTREX Electronics

## Electronic Components Sourcing Information

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### Product Reference Information

**Part Number:** 0ADBP1000-RE  
**Manufacturer:** Bel Fuse Inc.  
**Package:** Bulk  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/bel-fuse-inc/0adbp1000-re.html>

**Request a Quote:**

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### Contact Information

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### Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

**Note:**

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

# Type 0ADBC / 0ADBP

## Fast-Acting Fuse Series

**HF** **Pb** 0ADBC/0ADBP Series, 6x32mm Ceramic Tube Fast-Acting Fuse

RoHS Compliant

### Description

A 1000 VAC/VDC rated ceramic tube cartridge fuse in a compact 6.3 x 32mm package,

### Features

- Fast-acting, high breaking capacity up to 1000VDC/AC
- Available in cartridge and pigtail axial lead
- Designed to UL 248-1
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Halogen Free
- Lead Free

### Applications

- Digital Measuring Instruments
- Industrial Power Supplies
- DC/DC modules

LEAD FREE = **Pb**  
HALOGEN FREE = **HF**



UK  
CA  
c  
UL  
us  
CE

### Physical Specifications

|           |                                                                                                                                                                                                                                                                                                                                  |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Materials | Body : Ceramic                                                                                                                                                                                                                                                                                                                   |
|           | Cap: Silver Plated Caps                                                                                                                                                                                                                                                                                                          |
|           | Pigtail Leads: Tin Plated Copper                                                                                                                                                                                                                                                                                                 |
| Marking   | On Fuse :                                                                                                                                                                                                                                                                                                                        |
|           | "bel"                                                                                                                                                                                                                                                                                                                            |
|           | "0ADB", "Current Rating", "Voltage Rating", "Appropriate Safety Logos"                                                                                                                                                                                                                                                           |
|           | On Label :                                                                                                                                                                                                                                                                                                                       |
|           | "bel", "0ADBC" or "0ADBP", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "  ", "  "(China RoHS compliant). |

### Electrical Characteristics

| Testing Current | Opening Time |
|-----------------|--------------|
| 100%            | 4 hour Min.  |
| 250%            | 120 sec Max. |

### Safety Agency Approvals

| Safety Agency                                                                       | Safety Agency Certificate | Ampere Rating / Voltage Rating | Ampere Range / Volt @ I.R. ability*      |
|-------------------------------------------------------------------------------------|---------------------------|--------------------------------|------------------------------------------|
|  | E20624                    | 200mA-3A /1000V AC/DC          | 200mA-3A /1000V@ 10KA AC /1000V@ 10KA DC |

\*I.R.= Interrupting Rating = Short Circuit Rating(Amps)

## Electrical specifications

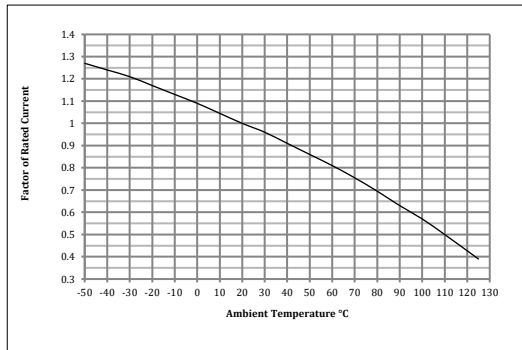
| Part Number  | Ampere Rating | Typical Cold Resistance (mOhms) | Voltage and Interrupting Ratings                                               | Typical Voltage Drop ( mV) | Typical Pre-Arcing I²t (A²Sec) |
|--------------|---------------|---------------------------------|--------------------------------------------------------------------------------|----------------------------|--------------------------------|
| 0ADBC0200-BE | 200mA         | 3900                            | See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings | 916                        | 0.0031                         |
| 0ADBP0200-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC0250-BE | 250mA         | 2755                            |                                                                                | 850                        | 0.009                          |
| 0ADBP0250-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC0315-BE | 315mA         | 1875                            |                                                                                | 900                        | 0.050                          |
| 0ADBP0315-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC0400-BE | 400mA         | 1845                            |                                                                                | 860                        | 0.059                          |
| 0ADBP0400-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC0500-BE | 500mA         | 1160                            |                                                                                | 600                        | 0.081                          |
| 0ADBP0500-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC0600-BE | 600mA         | 1030                            |                                                                                | 550                        | 0.178                          |
| 0ADBP0600-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC0800-BE | 800mA         | 530                             |                                                                                | 510                        | 0.256                          |
| 0ADBP0800-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC1000-BE | 1A            | 450                             |                                                                                | 560                        | 0.21                           |
| 0ADBP1000-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC1250-BE | 1.25A         | 260                             |                                                                                | 550                        | 1.45                           |
| 0ADBP1250-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC1600-BE | 1.6A          | 185                             |                                                                                | 395                        | 0.80                           |
| 0ADBP1600-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC2000-BE | 2A            | 150                             |                                                                                | 400                        | 1.25                           |
| 0ADBP2000-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC2500-BE | 2.5A          | 88                              |                                                                                | 300                        | 4.5                            |
| 0ADBP2500-RE |               |                                 |                                                                                |                            |                                |
| 0ADBC3000-BE | 3A            | 60                              |                                                                                | 270                        | 7.54                           |
| 0ADBP3000-RE |               |                                 |                                                                                |                            |                                |

Consult manufacturer for other ratings

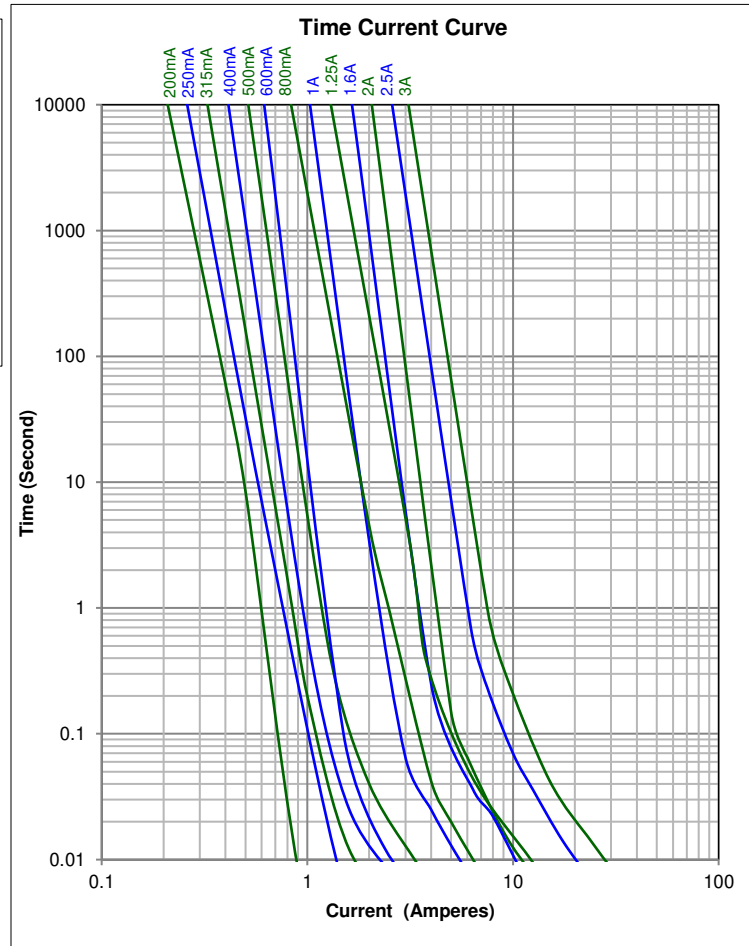
\*DC Cold Resistance are measured at &lt;10% of rated current in ambient temperature of 25°C

\*Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current

## Temperature Re-Rating Curve



## Average Time Current Curve



## Soldering parameters for Pigtail Type

Wave Soldering Compatible: (260°C, 10 sec max)

Hand-Solder:

Solder Iron Temperature: (350°C +/- 5°C)

Heating Time: (5 sec max)

# Type 0ADBC /0ADBP

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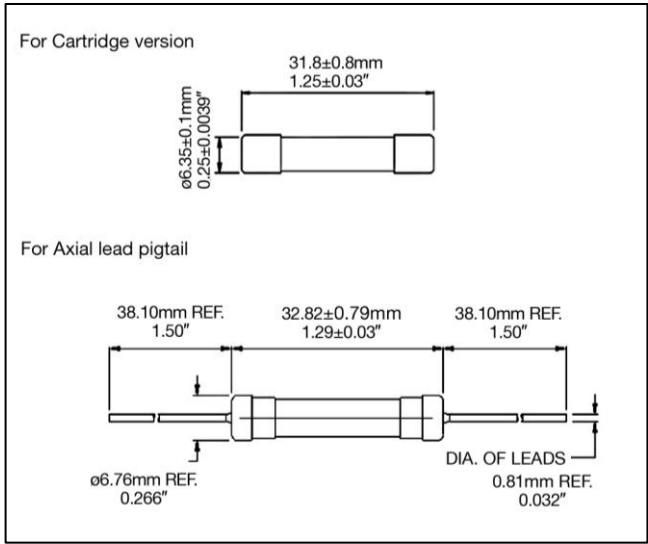
## Fuse FGNO Explanation

0ADB X [XXXX] -XX

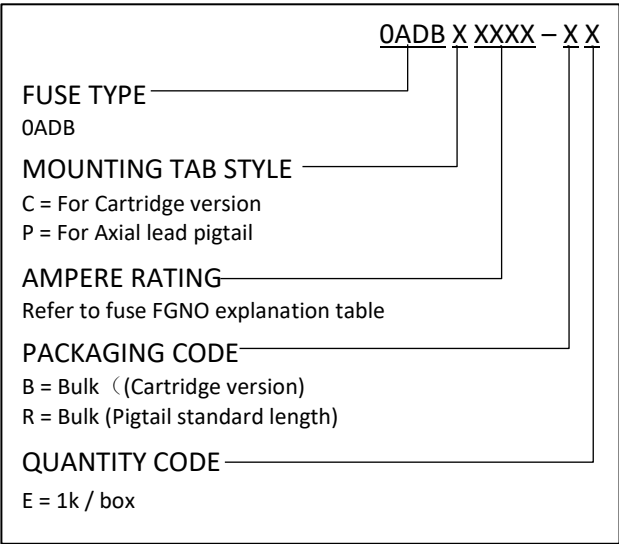
0ADBC/P=0ADBC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

| Fraction | Decimal | Milliamps | Bel FGNO[XXXX] | Fraction | Decimal | Amps | Bel FGNO[XXXX] |
|----------|---------|-----------|----------------|----------|---------|------|----------------|
| 1/5      | 0.200   | 200       | 0200           |          | 1.0     | 1    | 1000           |
| 1/4      | .250    | 250       | 0250           | 1-1/4    | 1.25    | 1.25 | 1250           |
|          | .315    | 315       | 0315           |          | 1.6     | 1.6  | 1600           |
| 4/10     | .400    | 400       | 0400           |          | 2.0     | 2    | 2000           |
| 1/2      | .500    | 500       | 0500           | 2-1/2    | 2.5     | 2.5  | 2500           |
| 6/10     | .600    | 600       | 0600           |          | 3.0     | 3    | 3000           |

## Mechanical Dimensions



## Ordering Information



## Packaging

| Packaging Option       | Quantity | Packaging Code |
|------------------------|----------|----------------|
| Bulk                   | 1000     | BE             |
| Bulk (Pigtail Version) | 1000     | RE             |