

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: 0ADBP0500-RE
Manufacturer: Bel Fuse Inc.
Package: Bulk
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/bel-fuse-inc/0adbp0500-re.html>

Request a Quote:

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Contact Information

Email: info@antrexco.com

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

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 " RoHS ", " CE " (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*
c UL us	E20624	200mA-3A /1000V AC/DC	200mA-3A /1000V@ 10KA AC /1000V@ 10KA DC

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

Electrical specifications

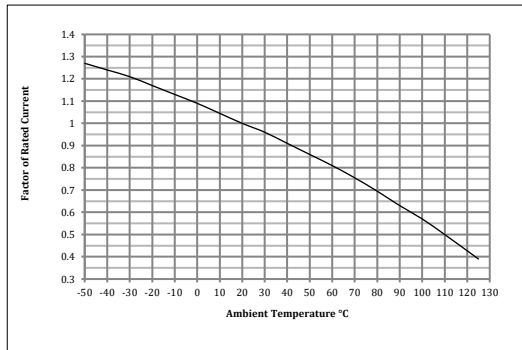
Part Number	Ampere Rating	Typical Cold Resistance (mOhms)	Voltage and Interrupting Ratings	Typical Voltage Drop (mV)	Typical Pre-Arcing I²t (A²Sec)
0ADBC0200-BE	200mA	3900	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	916	0.0031
0ADBP0200-RE					
0ADBC0250-BE	250mA	2755		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

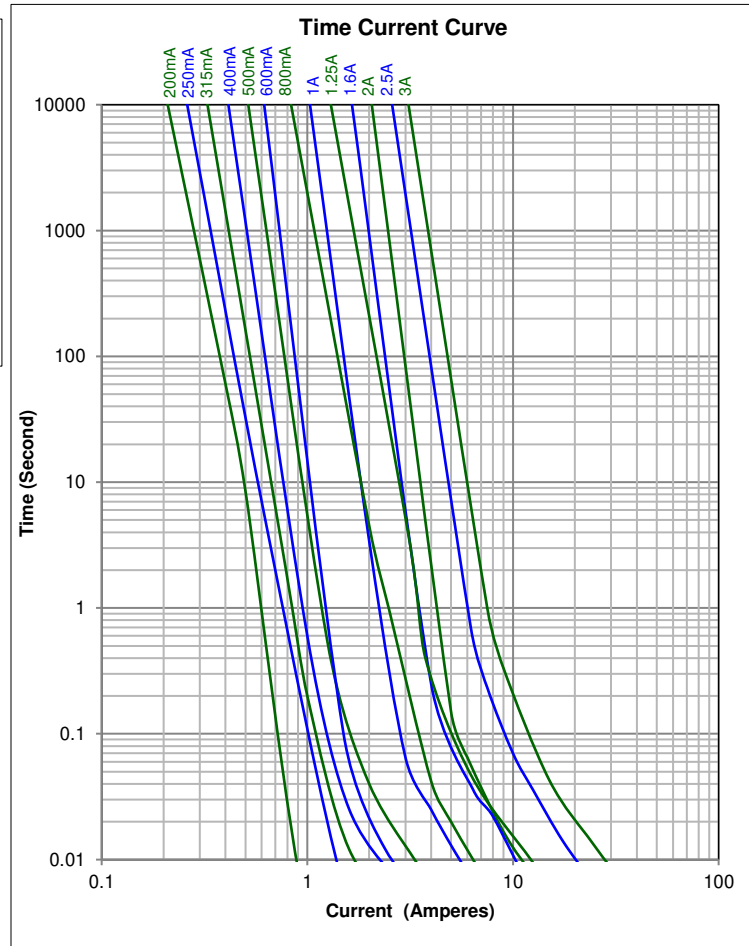
*DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

*Typical Pre-arcing I²t 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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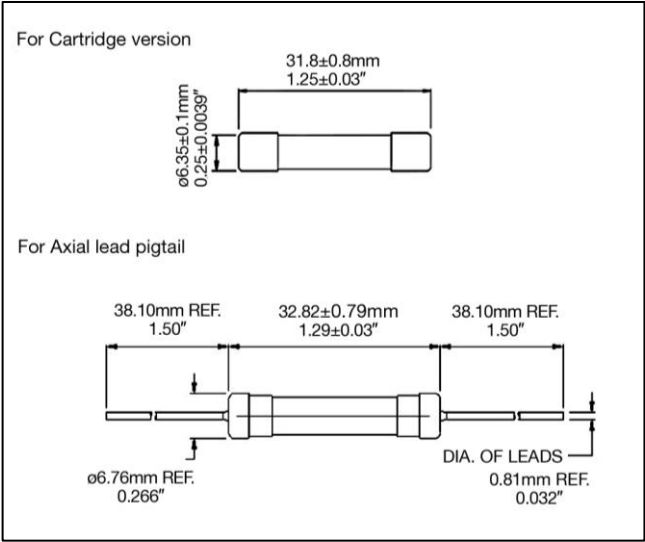
Fuse FGNO Explanation

0ADB X [XXXX] -XX

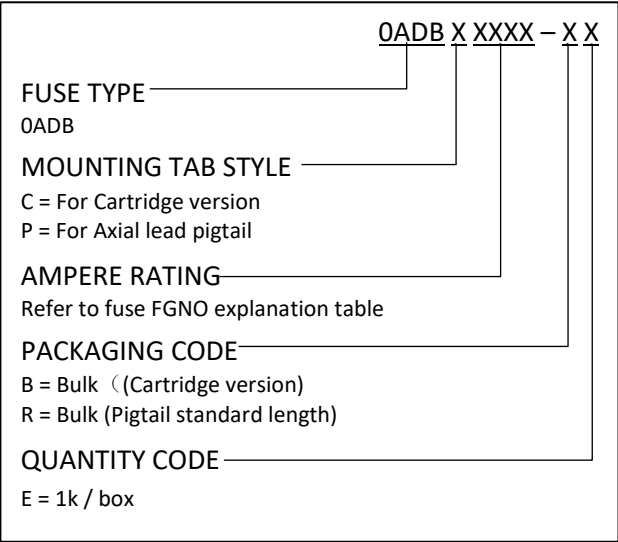
0ADBC/P=0ADBC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

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