

# Type 0ADBC / 0ADBP

## Fast-Acting Fuse Series

**HF** **Pb** 0ADBC/0ADBP Series, 6x32mm Ceramic Tube Fast-Acting Fuse      RoHS 2 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
- RoHS 2 compliant
- Halogen Free
- Lead Free



### Applications

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

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



### 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	Voltage Rating (V)	Ampere Range / Volt @ I.R. ability*
<b>c</b> <b>UL</b> <b>US</b>	E20624	200mA-3A /1000V AC/DC	200mA-3A /1000V@ 10KA AC /1000V@ 10KA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)			

## Environmental Specifications

Operating Temperature	-50°C to +105°C
Terminal Strength	MIL-STD-202G, Method 211 Test Condition A
Lead Solderability	MIL-STD-202, Method 208
Mechanical Vibration	MIL-STD-202, Method 201
Thermal Shock	MIL-STD-202, Method 107 Test Condition B (5 cycles -65°C to +125°C)
Humidity	MIL-STD-202, Method 103 Test Condition A (95%RH and 40°C for 240 hours)

## Electrical specifications

Part Number	Ampere Rating	Typical Cold Resistance (mOhms)	Voltage and Interrupting Ratings	Typical Voltage Drop ( mV)	Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec)									
0ADBC0200-BE	200mA	3900	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	850	0.003									
0ADBP0200-RE														
0ADBC0250-BE	250mA	2755			828	0.009								
0ADBP0250-RE														
0ADBC0315-BE	315mA	1900				568	0.030							
0ADBP0315-RE														
0ADBC0400-BE	400mA	1875					890	0.038						
0ADBP0400-RE														
0ADBC0500-BE	500mA	1160						616	0.041					
0ADBP0500-RE														
0ADBC0600-BE	600mA	1035							765	0.072				
0ADBP0600-RE														
0ADBC1000-BE	1A	450								553	0.23			
0ADBP1000-RE														
0ADBC1250-BE	1.25A	300									550	3		
0ADBP1250-RE														
0ADBC1600-BE	1.6A	173										380	0.768	
0ADBP1600-RE														
0ADBC2000-BE	2A	155											381	1.28
0ADBP2000-RE														
0ADBC2500-BE	2.5A	89											275	3.91
0ADBP2500-RE														
0ADBC3000-BE	3A	64											218	7.74
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 I<sup>2</sup>t are measured at 10In Current

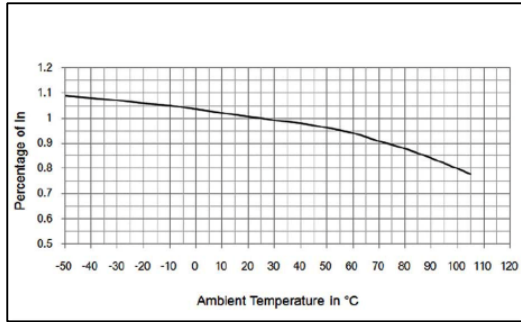


Specifications subject to change without notice

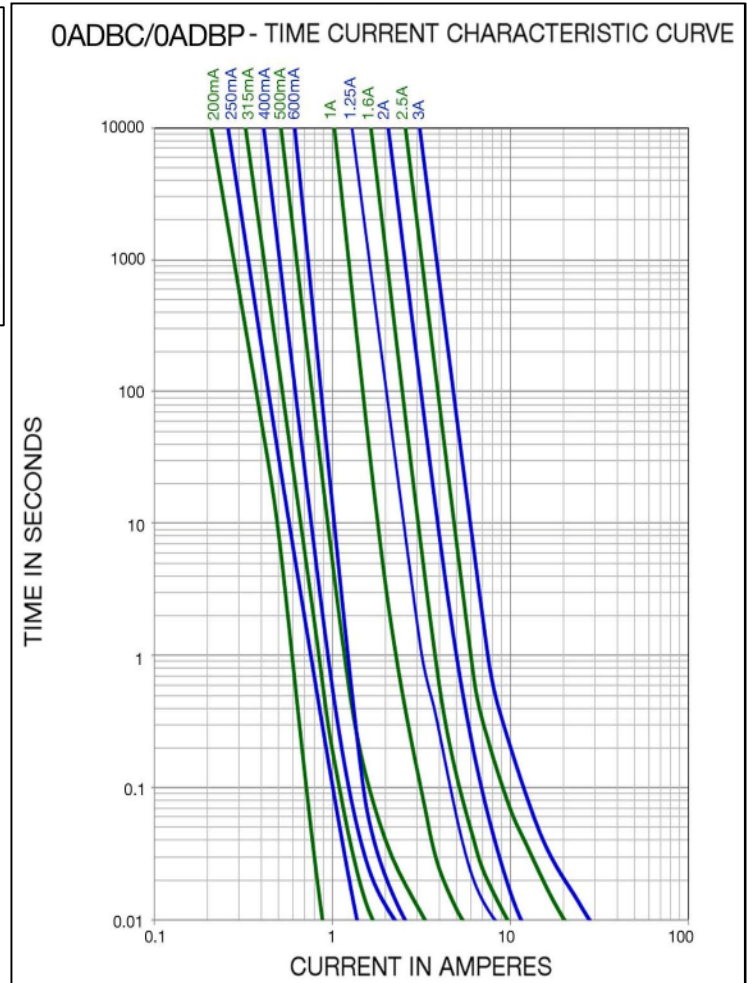
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[belfuse.com/circuit-protection](http://belfuse.com/circuit-protection)

## 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)



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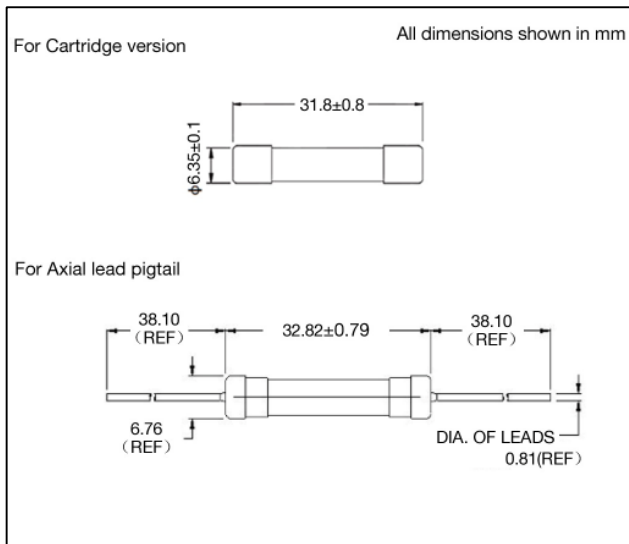
## Fuse FGNO Explanation

0ADB X [XXXX] -XX

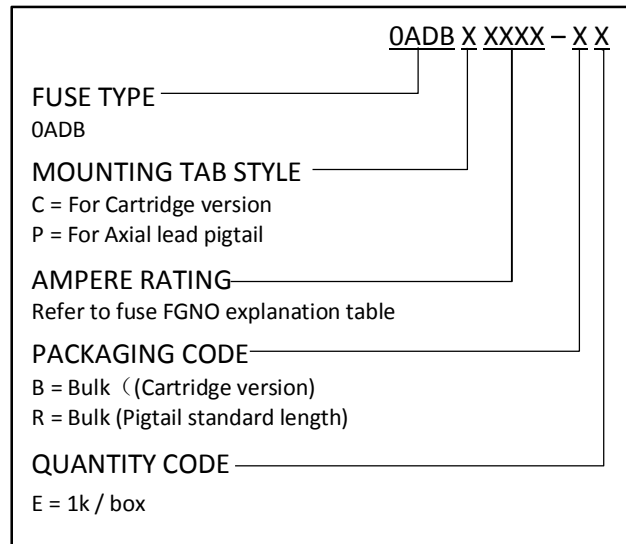
0ADBC/P=0ADBC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

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

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