

# Type 0ADBC / 0ADBP

## Fast Acting Fuse Series

HF <sup>Pb</sup> 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 under 1000VDC/AC
- Available in cartridge and pigtail axial lead
- Designed to UL 248-1
- RoHS 2 compliant
- Halogen Free
- Leadfree

### Applications

- Digital Measuring Instrument
- Industrial Power Supply
- DC/DC module

LEAD FREE = <sup>Pb</sup>  
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 "UL", "CE" (China RoHS compliant).

### Electrical Characteristics

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

### Ratings

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
<sup>UL</sup> US	E20624	200mA - 3A / 1000V AC/DC	200mA - 3A / 1000V @ 10KA AC / 1000V @ 10KA DC

\* I.R. = INTERRUPTING RATING = SHORT CIRCUIT RATING (AMPS)

Specifications subject to change without notice



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### Environmental Specifications

Operating Temperature	-55 °C to +125 °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	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					
0ADBC1000-BE	1A	450		560	0.21
0ADBP1000-RE					
0ADBC1250-BE	1.25A	260		550	3
0ADBP1250-RE					
0ADBC1600-BE	1.6A	165	350	3.72	
0ADBP1600-RE					
0ADBC2000-BE	2A	150	400	1.5	
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

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\* 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



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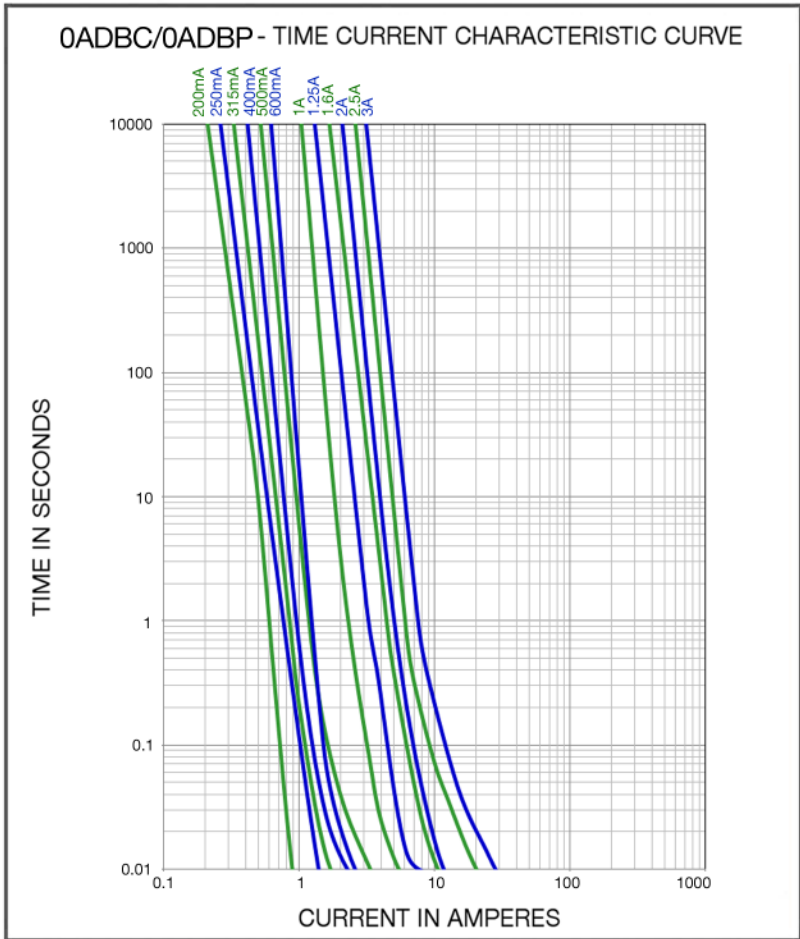
# Type 0ADBC / 0ADBP

## Fast Acting Fuse Series

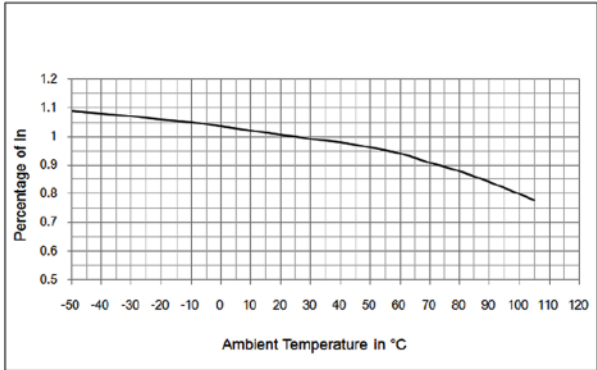
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RoHS 2 Compliant

### Average Time Current Curve



### Temperature Re-Rating 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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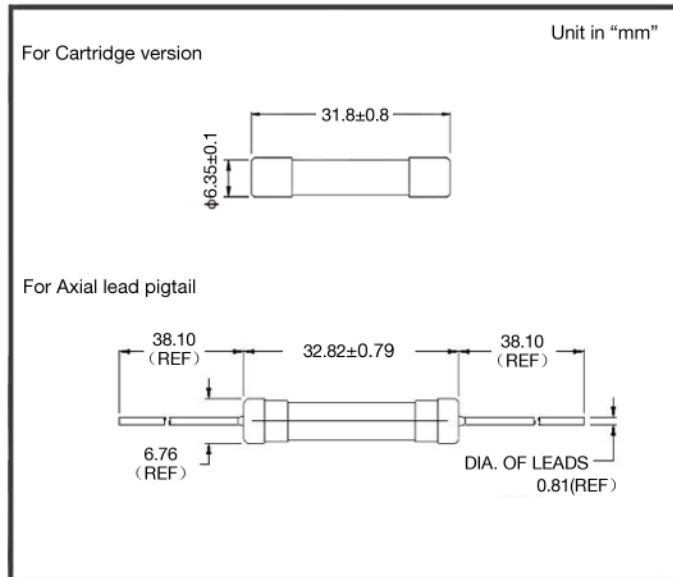
### Fuse FGNO Explanation

0ADB X [XXXX] - XX

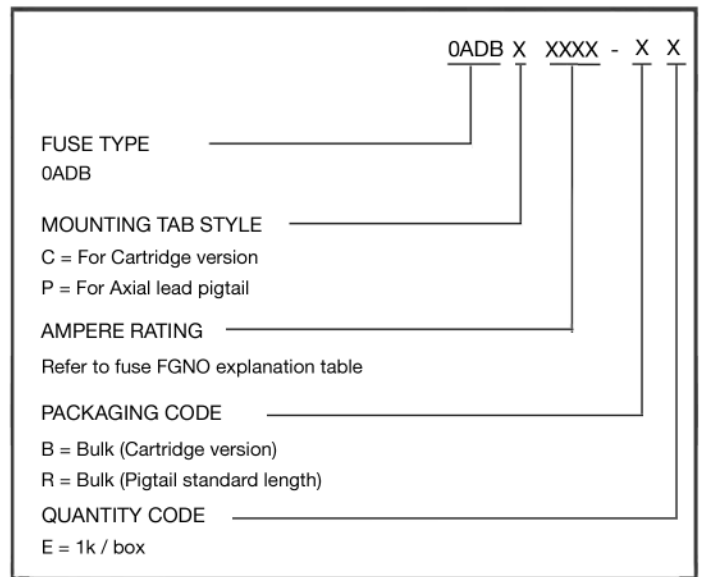
0ADBC/P=0ADBC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Fraction	Decimal	Milliamps	Bel FGNO[XXXX]	Fraction	Decimal	Amps	Bel FGNO[XXXX]
1/5	.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 Type)	1000	RE

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