

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

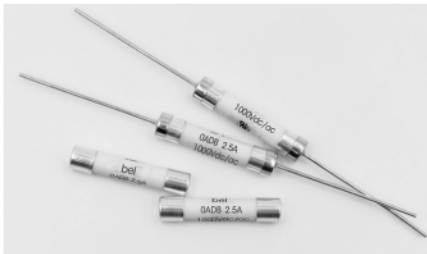
Features

- Fast Acting, high breaking capacity 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 = ^{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 "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*
^{UL} 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



Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
Bel.US.CS@belf.com
belfuse.com/circuit-protection

Type 0ADBC / 0ADBP

Fast Acting Fuse Series

HF  0ADBC/0ADBP Series, 6x32mm Ceramic Tube Fast-acting Fuse

RoHS 2 Compliant

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 ² t (A ² 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

Specifications subject to change without notice

* 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



Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
Bel.US.CS@belf.com
belfuse.com/circuit-protection

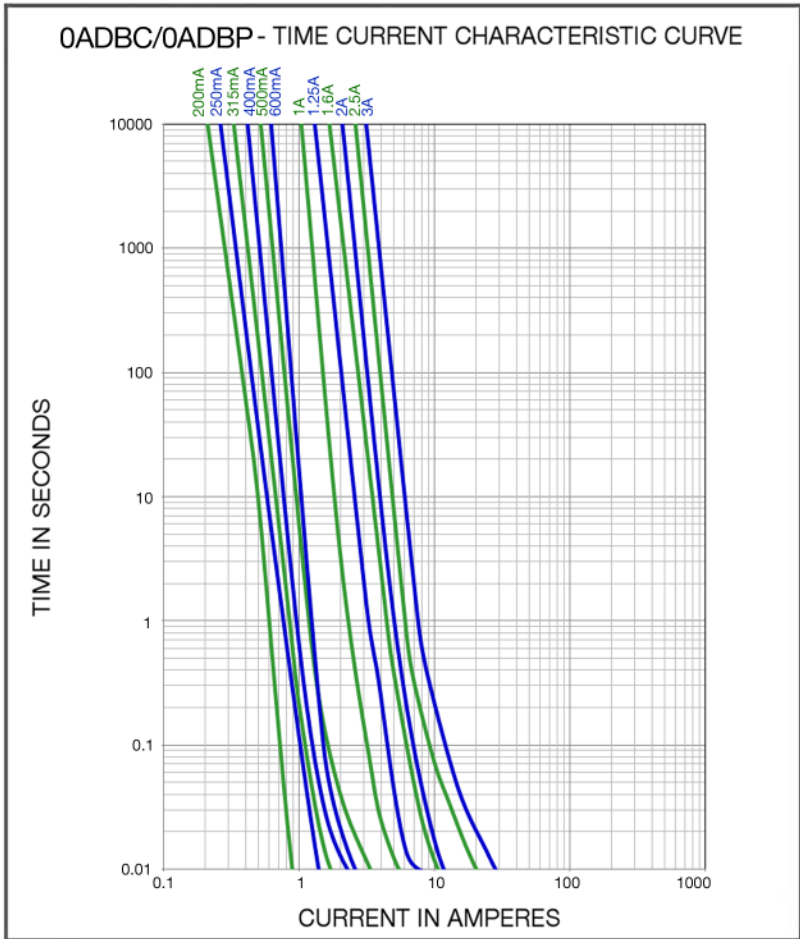
Type 0ADBC / 0ADBP

Fast Acting Fuse Series

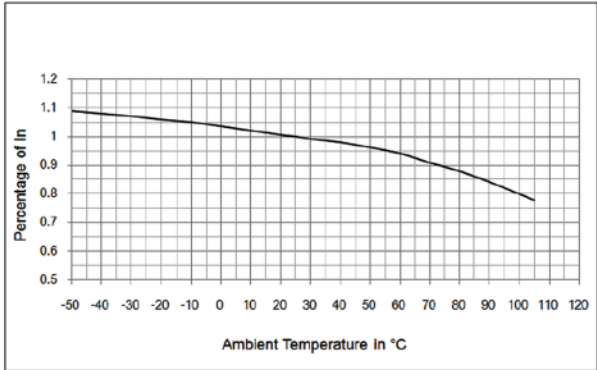
HF  0ADBC/0ADBP Series, 6x32mm Ceramic Tube Fast-acting Fuse

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)

Specifications subject to change without notice



Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
Bel.US.CS@belf.com
belfuse.com/circuit-protection

Type 0ADBC / 0ADBP

Fast Acting Fuse Series

HF  0ADBC/0ADBP Series, 6x32mm Ceramic Tube Fast-acting Fuse

RoHS 2 Compliant

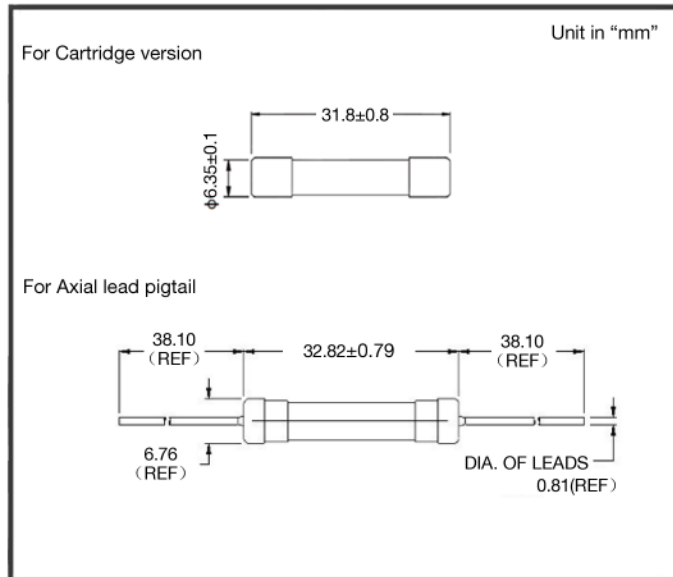
Fuse FGNO Explanation

0ADB X [XXXX] - XX

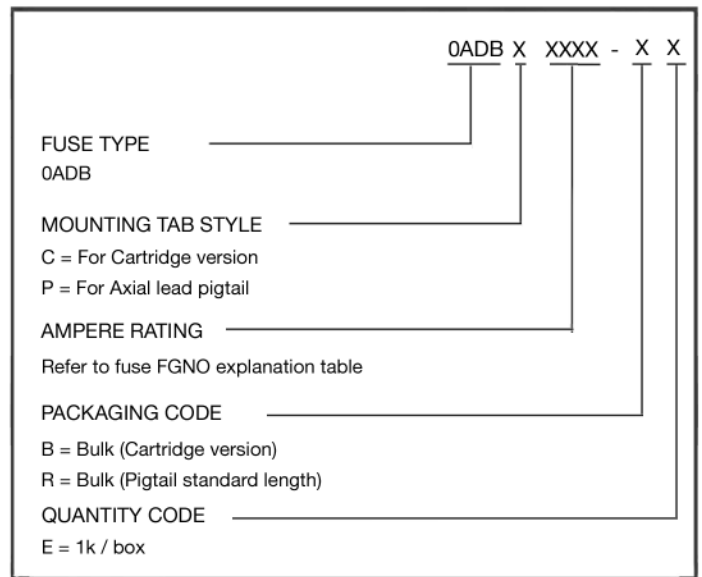
0ADBC/P=0ADBC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

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

Specifications subject to change without notice



Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
Bel.US.CS@belf.com
belfuse.com/circuit-protection

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Bel:](#)

[0ADBC0200-BE](#) [0ADBC0250-BE](#) [0ADBC0315-BE](#) [0ADBC0400-BE](#) [0ADBC0500-BE](#) [0ADBC0600-BE](#) [0ADBP3000-RE](#) [0ADBP1000-RE](#) [0ADBP1250-RE](#) [0ADBP1600-RE](#) [0ADBP2000-RE](#) [0ADBP2500-RE](#) [0ADBP0200-RE](#) [0ADBP0250-RE](#) [0ADBP0315-RE](#) [0ADBP0400-RE](#) [0ADBP0500-RE](#) [0ADBP0600-RE](#) [0ADBC1000-BE](#) [0ADBC1250-BE](#) [0ADBC1600-BE](#) [0ADBC2000-BE](#) [0ADBC2500-BE](#) [0ADBC3000-BE](#)