

# Type 0ADAC / 0ADAP

## Fast-Acting Fuse Series

HF  0ADAC/0ADAP Series, 6x32mm Ceramic Tube Fast-Acting Fuse RoHS 2 Compliant

### Description



A 600VAC/VDC rated ceramic tube in a compact, 6.3 x 32mm package designed for circuit protection in high energy and high voltage applications.

### Features

- Fast-acting, high breaking capacity up to 600Vac/dc
- 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
- Power Inverters
- UPS
- Smart Meters
- 3 phase

LEAD FREE =   
 HALOGEN FREE = 




### Physical Specifications

Materials	Body : Ceramic
	Cap: Silver Plated Caps
	Pigtail Leads: Tin Plated Copper
Marking	On Fuse :
	"bel"
	"0ADA" "Current Rating", "Voltage Rating", "Appropriate Safety Logos"
	On Label :
	"bel", "0ADAC" or "0ADAP", "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*
	E20624	200mA – 12A 600V AC/DC	200mA – 12A / 600V@ 10KA AC / 600V@ 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 (For bulk)	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)									
0ADAC0200-BE	200mA	3900	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	850	0.003									
0ADAP0200-RE														
0ADAC0250-BE	250mA	2755			828	0.009								
0ADAP0250-RE														
0ADAC0315-BE	315mA	1900				568	0.030							
0ADAP0315-RE														
0ADAC0400-BE	400mA	1875					890	0.038						
0ADAP0400-RE														
0ADAC0500-BE	500mA	1160						616	0.041					
0ADAP0500-RE														
0ADAC0600-BE	600mA	1035							765	0.072				
0ADAP0600-RE														
0ADAC1000-BE	1A	450								553	0.23			
0ADAP1000-RE														
0ADAC1600-BE	1.6A	160									307	0.89		
0ADAP1600-RE														
0ADAC2000-BE	2A	155										381	1.28	
0ADAP2000-RE														
0ADAC2500-BE	2.5A	89											275	3.91
0ADAP2500-RE														
0ADAC3000-BE	3A	64											218	7.74
0ADAP3000-RE														
0ADAC3150-BE	3.15A	60											230	9.92
0ADAP3150-RE														
0ADAC4000-BE	4A	44											223	15.50
0ADAP4000-RE														
0ADAC5000-BE	5A	33											221	26.50
0ADAP5000-RE														
0ADAC6000-BE	6A	26											214	41.76
0ADAP6000-RE														
0ADAC8000-BE	8A	18											203	76.80
0ADAP8000-RE														
0ADAC9100-BE	10A	16.8											242	101.40
0ADAP9100-RE														
0ADAC9120-BE	12A	12.8											233	187.20
0ADAP9120-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

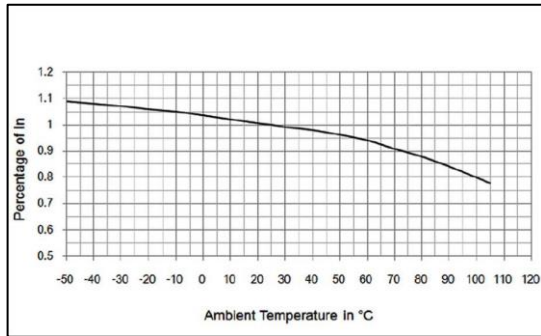


Specifications subject to change without notice

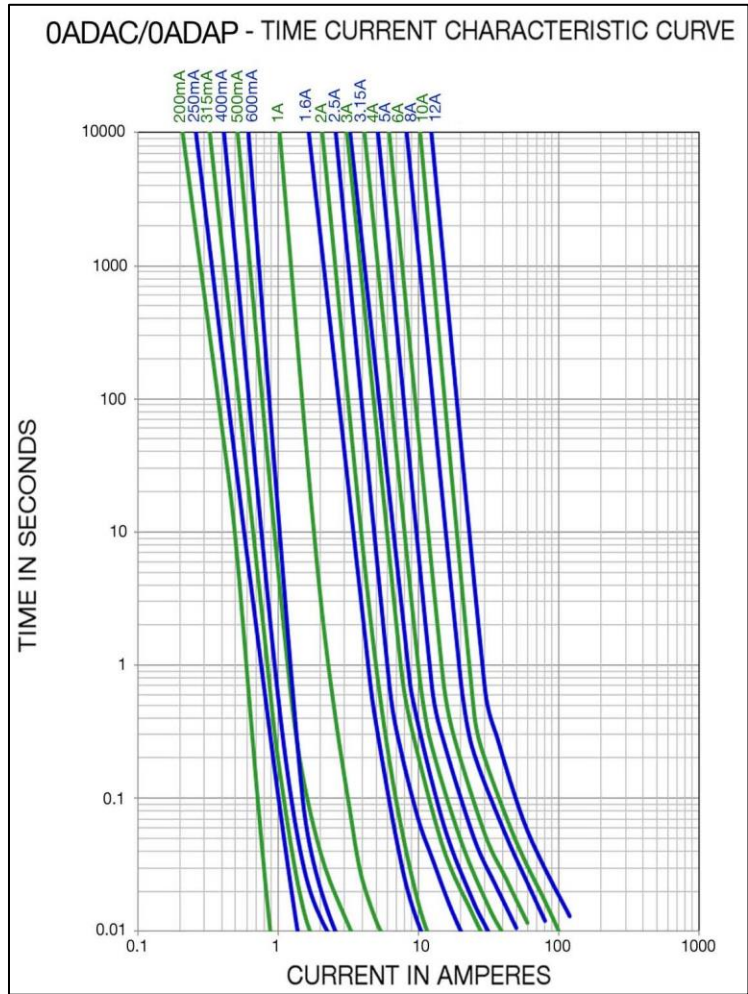
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Jersey City, NJ 07302 USA

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## 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

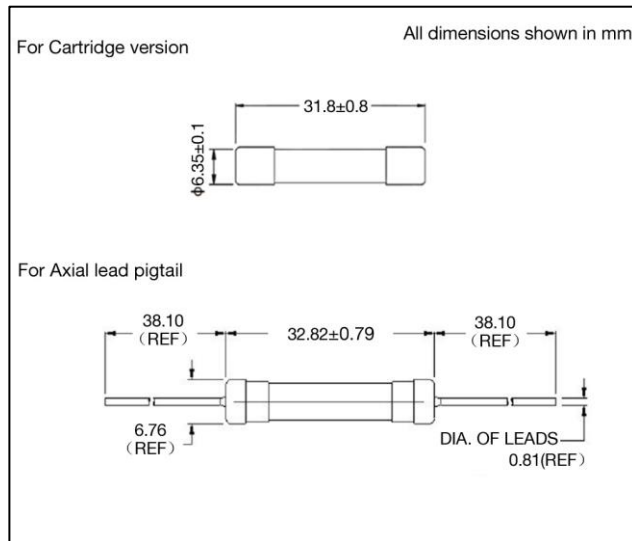
0ADA X [XXXX] -XX

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

Fraction	Decimal	Milliamps	Bel FGNO[XXXX]
1/5	0.200	200	0200
1/4	.250	250	0250
	.315	315	0315
4/10	.400	400	0400
1/2	.500	500	0500
6/10	.600	600	0600

Fraction	Decimal	Amps	Bel FGNO[XXXX]
	1.0	1	1000
	1.6	1.6	1600
	2.0	2	2000
2-1/2	2.5	2.5	2500
	3.0	3	3000
	3.15	3.15	3150
	4.0	4	4000
	5.0	5	5000
	6.0	6	6000
	8.0	8	8000
		10	9100
		12	9120

## Mechanical Dimensions



## Ordering Information

**0ADA X XXXX - X X**

**FUSE TYPE** \_\_\_\_\_

0ADA

**MOUNTING TAB STYLE** \_\_\_\_\_

C = For Cartridge version  
P = For Axial lead pigtail

**AMPERE RATING** \_\_\_\_\_

Refer to fuse FGNO explanation table

**PACKAGING CODE** \_\_\_\_\_

B = Bulk (Cartridge version)  
R = Bulk (Pigtail standard length)  
T = Tape & Reel (Pigtail version)

**QUANTITY CODE** \_\_\_\_\_

D = 500 / reel  
E = 1k / box

## Packaging

Packaging Option	Quantity	Packaging Code
Bulk	1000	BE
Bulk(Pigtail Type)	1000	RE
Tape & Reel (Pigtail Type)	500	TD



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