Type 0ADAC / 0ADAP

Fast Acting Fuse Series

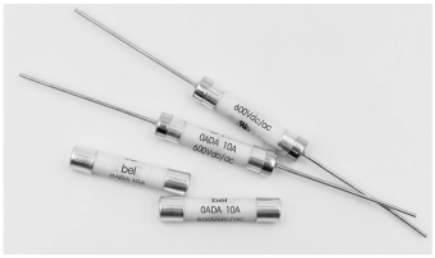
HF Pb 0ADAC/0ADAP Series, 6x32mm Ceramic Tube Fast-acting Fuse — RoHS 2 Compliant

Description

A 600 VAC/VDC rated ceramic tube cartridge fuse in a compact 6.3 x 32mm package, They are design for circuit protection in high energy and high power appliations.

Features

- Fast Acting, high breaking capacity under 600Vac/dc
- 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
- Power Inverters
- UPS
- Smart Meters
- 3 phase AC-DC

LEAD FREE = Pb
HALOGEN FREE = HF

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.

Ratings

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
c UL us	E20624	200mA - 12A / 600V AC/DC	200mA - 12A / 600V @ 10KA AC / 600V @ 10KA DC

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

Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION
a bel group

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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^2t (A^2Sec)
0ADAC0200-BE 0ADAP0200-RE	200mA	3900	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	850	0.003
0ADAC0250-BE 0ADAP0250-RE	250mA	2755		828	0.009
0ADAC0315-BE 0ADAP0315-RE	315mA	1900		568	0.030
0ADAC0400-BE 0ADAP0400-RE	400mA	1875		890	0.038
0ADAC0500-BE 0ADAP0500-RE	500mA	1160		616	0.041
0ADAC0600-BE 0ADAP0600-RE	600mA	1035		765	0.072
0ADAC1000-BE 0ADAP1000-RE	1A	450		553	0.23
0ADAC1600-BE 0ADAP1600-RE	1.6A	160		307	0.89
0ADAC2000-BE 0ADAP2000-RE	2A	155		381	1.28
0ADAC2500-BE 0ADAP2500-RE	2.5A	89		275	3.91
0ADAC3000-BE 0ADAP3000-RE	3A	64		218	7.74
0ADAC3150-BE 0ADAP3150-RE	3.15A	60		230	9.92
0ADAC4000-BE 0ADAP4000-RE	4A	44		223	15.50
0ADAC5000-BE 0ADAP5000-RE	5A	33		221	26.50
0ADAC6000-BE 0ADAP6000-RE	6A	26		214	41.76
0ADAC8000-BE 0ADAP8000-RE	8A	18		203	76.80
0ADAC9100-BE 0ADAP9100-RE	10A	16.8		242	101.40
0ADAC9120-BE 0ADAP9120-RE	12A	12.8		233	187.20

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 I^2t are measured at 10In Current

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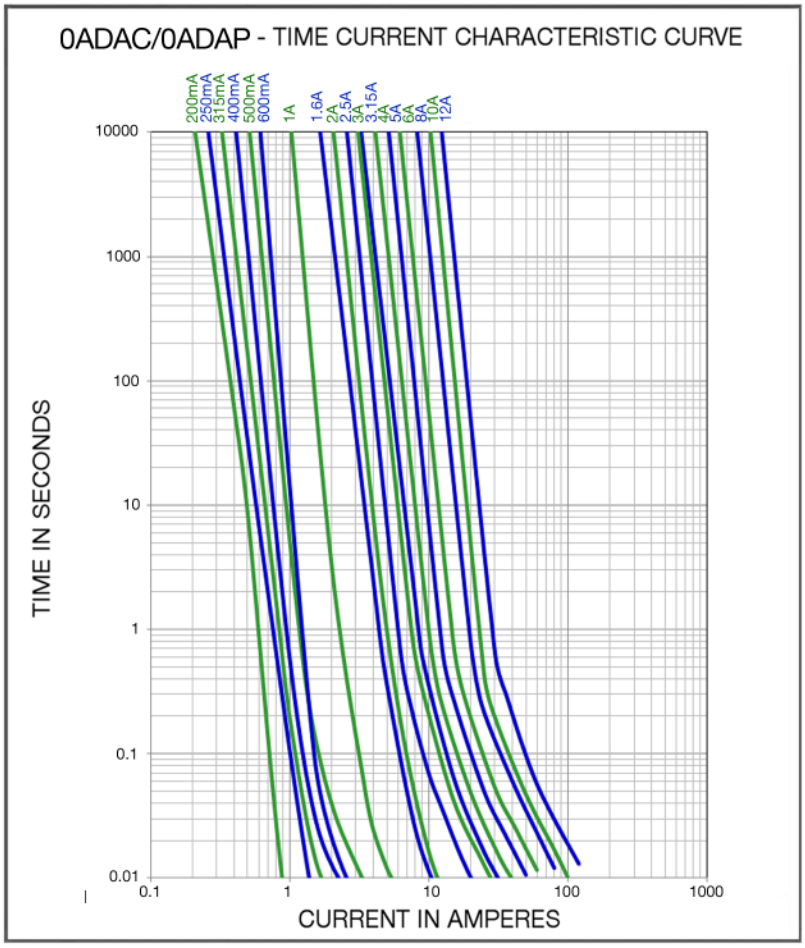
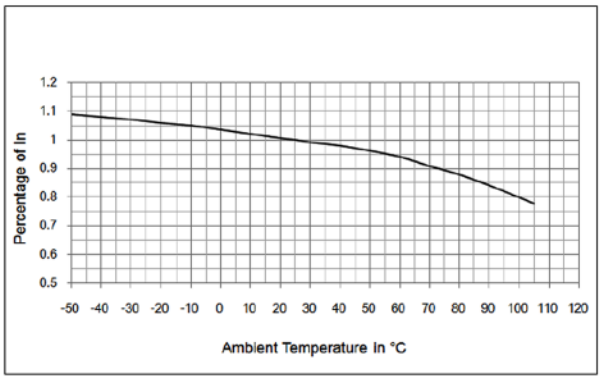
Average Time Current Curve



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

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	.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

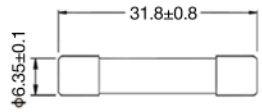
Fraction	Decimal	Amps	Bel FGNO[XXXX]
	1.0	1	1000
	1.6	1.6	1600
	2.0	2	2000
2-1/2	2.5	2.5	2500
	3.0	3	3000
	3.15	3.15	3150
	4.0	4	4000
	5.0	5	5000
	6.0	6	6000
	8.0	8	8000

Amps	Bel FGNO[XXXX]
10	9100
12	9120

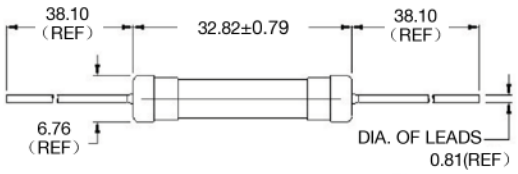
Mechanical Dimensions

Unit in "mm"

For Cartridge version



For Axial lead pigtail



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)

QUANTITY CODE
E = 1k / box

Packaging

Packaging Option	Quantity	Packaging Code
Bulk	1000	BE
Bulk (Pigtail Type)	1000	RE

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