

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* |
|---------------|----------------------------------|--------------------------|---|
| 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 Fuse Inc.
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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 ² t (A ² Sec) |
|------------------------------|---------------|---------------------------------|--|---------------------------|--|
| 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

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* 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



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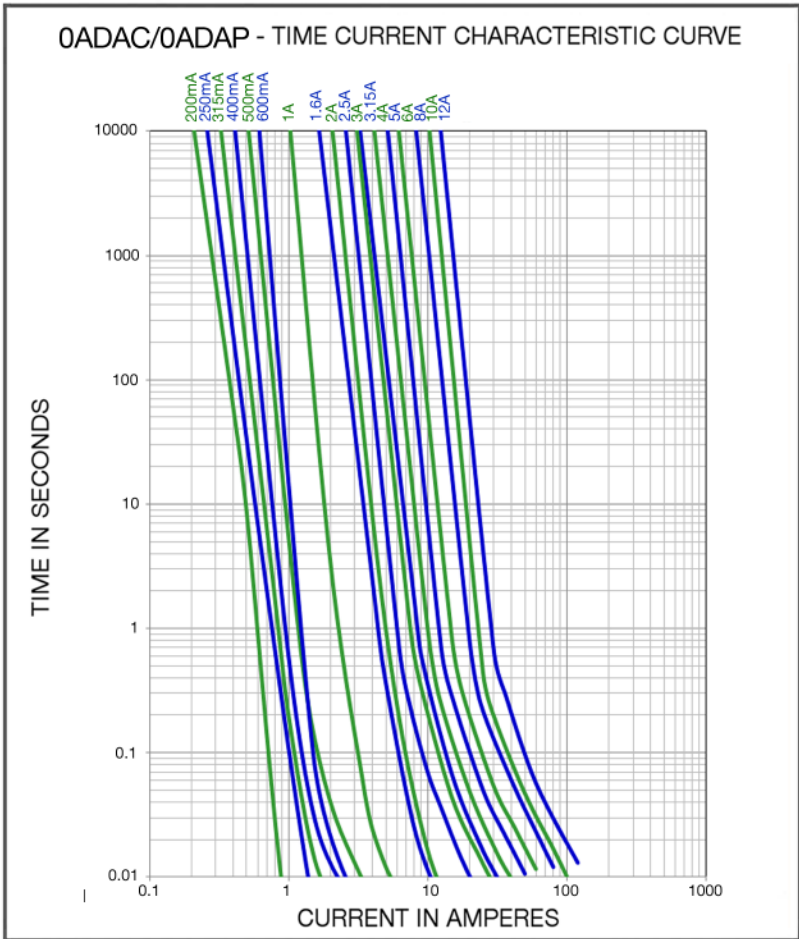
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Average Time Current Curve



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



Ordering Information



Packaging

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

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Данный компонент на территории Российской Федерации

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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