Type 0ADEC / 0ADEP

Fast Acting Fuse Series

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

Description

A 500 VAC/VDC rated ceramic tube cartridge fuse in a compact 6.3 x 32mm package

Features

- Fast Acting, high breaking capacity fuse
- Available in cartridge and pigtail axial lead
- Meet Underwriters Laboratories Standard UL 248-14
- RoHS 2 compliant
- Halogen Free
- Leadfree



Applications

- 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"
	"0ADE" "Current Rating","Voltage Rating"," Appropriate Safety Logos"
	On Label :
	"bel","0ADEC"or"0ADEP","Current Rating","Voltage Rating","Interrupting Rating", " Appropriate Safety Logos" and " ", " "(China RoHS compliant).

Electrical Characteristics

Testing Current	Opening Time
	Maximum
150%	30 minutes
200%	5 minutes
300%	10 seconds

Ratings

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
c UL us	E20624	10A - 30A / 500V AC/DC	10A - 30A / 500V @ 30KA AC / 500V @ 20KA DC

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

Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION
a bel group

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

© 2017 Bel Fuse, Inc.

Type 0ADEC / 0ADEP

Fast Acting Fuse Series

HF Pb 0ADEC/0ADEP 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 (mohm)	Voltage and Interrupting Ratings	Typical Pre-Arcing I^2t (A^2Sec)
0ADEC9100-XX 0ADEP9100-XX	10A	17.1	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	100
0ADEC9120-XX 0ADEP9120-XX	12A	12.3		140
0ADEC9150-XX 0ADEP9150-XX	15A	8.0		66
0ADEC9160-XX 0ADEP9160-XX	16A	8.0		62
0ADEC9200-XX 0ADEP9200-XX	20A	5.5		120
0ADEC9250-XX 0ADEP9250-XX	25A	4.6		200
0ADEC9300-XX 0ADEP9300-XX	30A	3.7		270

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

bel POWER SOLUTIONS & PROTECTION
a bel group

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

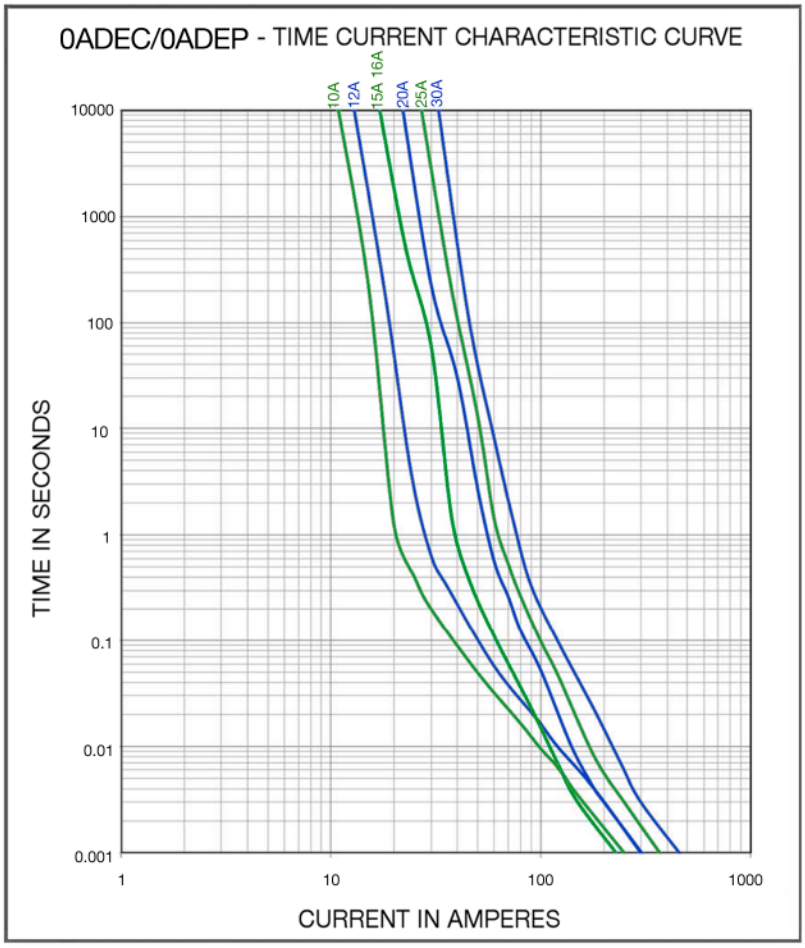
© 2017 Bel Fuse, Inc.

Type 0ADEC / 0ADEP

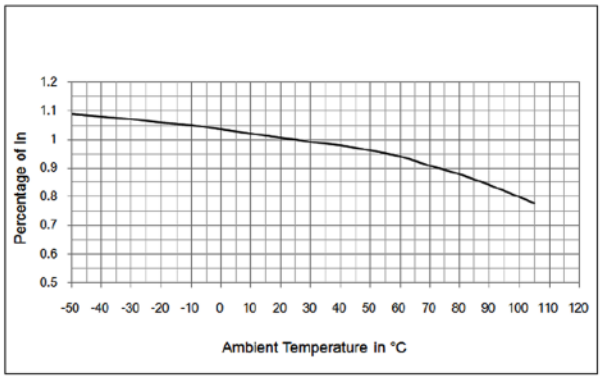
Fast Acting Fuse Series

HF P6 0ADEC/0ADEP 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 POWER SOLUTIONS & PROTECTION
a bel group

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

© 2017 Bel Fuse, Inc.

Type 0ADEC / 0ADEP

Fast Acting Fuse Series

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

Fuse FGNO Explanation

0ADE X [XXXX] - XX

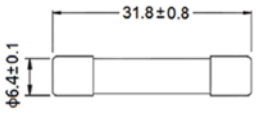
0ADEC/P=0ADEC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Amps	Bel FGNO[XXX]
10	9100
12	9120
15	9150
16	9160
20	9200
25	9250
30	9300

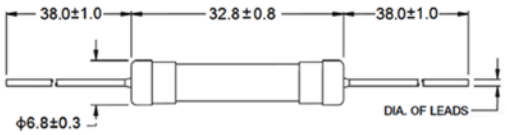
Mechanical Dimensions

Unit in "mm"

For Cartridge version



For Axial lead pigtail



Diameter of leads : 0-15 Amp 0.8 (REF)
15 Amp and above : 1.0 (REF)

Ordering Information

0ADE X XXXX - X X

FUSE TYPE
0ADE

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

Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION
a bel group

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

© 2017 Bel Fuse, Inc.