

Type 0ADKC / 0ADKP

Time-Delay, Ceramic Tube Fuse Series

HF **Pb** 0ADKC/0ADKP Series, 5x20mm Ceramic Tube Time-Delay Fuse RoHS 2 Compliant

Description

A 600Vac / 500Vdc rated ceramic tube cartridge fuse in a compact 5 x 20mm Package.

Features

- Time-delay, high breaking capacity
- Ceramic tube, Silver plated copper cap construction
- Available in cartridge and pigtail axial lead
- RoHS 2 compliant
- Halogen Free
- Lead Free





Applications

- Industrial Power Supplies
- DC/DC modules

LEAD FREE = **Pb**
 HALOGEN FREE = **HF**

Physical Specifications

Materials	Body : Ceramic
	Cap : Silver Plated Copper Alloy
	Pigtail Leads : Tin Plated Copper
Marking	On Fuse :
	"bel"
	"0ADK", "Current Rating", "Voltage Rating", "Appropriate Safety Logos"
	On Label :
	"bel", "0ADKC" or "0ADKP", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "  ", "  "(China RoHS compliant).

Safety Agency Approvals

Safety Agency	Safety Agency Certificate	Voltage Rating (V)	Ampere Range / Volt @ I.R. ability*
UL US	E20624	500mA-20A/600V AC 500mA-20A/500V DC 500mA-10A/400V DC	500mA-20A/600V @ 200A AC 500mA-20A/500V @ 300A DC 500mA-10A/400V @ 2KA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)			

Electrical Characteristics

Rated Current	1.5In	2.1In	2.75In	3.0In	4.0In	10.0In
<1A	1 hour min.	N/A	N/A	120sec max	N/A	N/A
1A-3.15A	1 hour min.	30min. max.	750ms-80sec	N/A	95ms-5sec	10ms-150ms
4A-6.3A	1 hour min.	30min. max.	750ms-80sec	N/A	150ms-5sec	10ms-150ms
8A-20A	30min. min	30min. max.	750ms-80sec	N/A	150ms-8sec	10ms-150ms

Environmental Specifications

Operating Temperature	-40°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)									
0ADKC0500-XX	500mA	382	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	190	0.287									
0ADKP0500-XX														
0ADKC0630-XX	630 mA	359		See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	261	0.34								
0ADKP0630-XX														
0ADKC0800-XX	800mA	175			See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	144	1.18							
0ADKP0800-XX														
0ADKC1000-XX	1A	210				See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	250	1.4						
0ADKP1000-XX														
0ADKC1250-XX	1.25A	134					See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	138	2.34					
0ADKP1250-XX														
0ADKC1600-XX	1.6A	100						See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	180	3.9				
0ADKP1600-XX														
0ADKC2000-XX	2A	65							See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	158	9.4			
0ADKP2000-XX														
0ADKC2500-XX	2.5A	34								See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	93	12.5		
0ADKP2500-XX														
0ADKC3150-XX	3.15A	28									See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	110	17.8	
0ADKP3150-XX														
0ADKC4000-XX	4A	24										See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	118	25
0ADKP4000-XX														
0ADKC5000-XX	5A	17	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings										104	50
0ADKP5000-XX														
0ADKC6300-XX	6.3A	13		See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings									100	80
0ADKP6300-XX														
0ADKC8000-XX	8A	9			See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings								85	179
0ADKP8000-XX														
0ADKC9100-XX	10A	7.6				See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings							90	400
0ADKP9100-XX														
0ADKC9120-XX	12A	6					See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings						80	576
0ADKP9120-XX														
0ADKC9150-XX	15A	4.3						See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings					75	900
0ADKP9150-XX														
0ADKC9160-XX	16A	3.7							See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings				68	1024
0ADKP9160-XX														
0ADKC9200-XX	20A	2.7								See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings			65	2400
0ADKP9200-XX														

Consult manufacturer for other ratings

*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

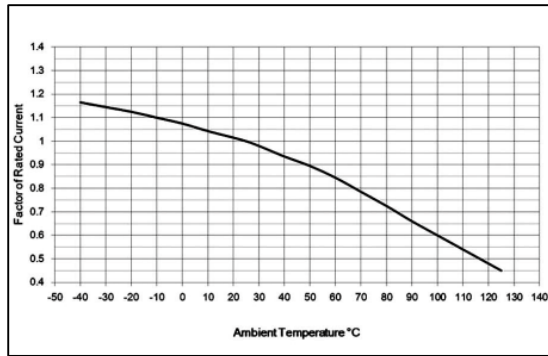


Specifications subject to change without notice

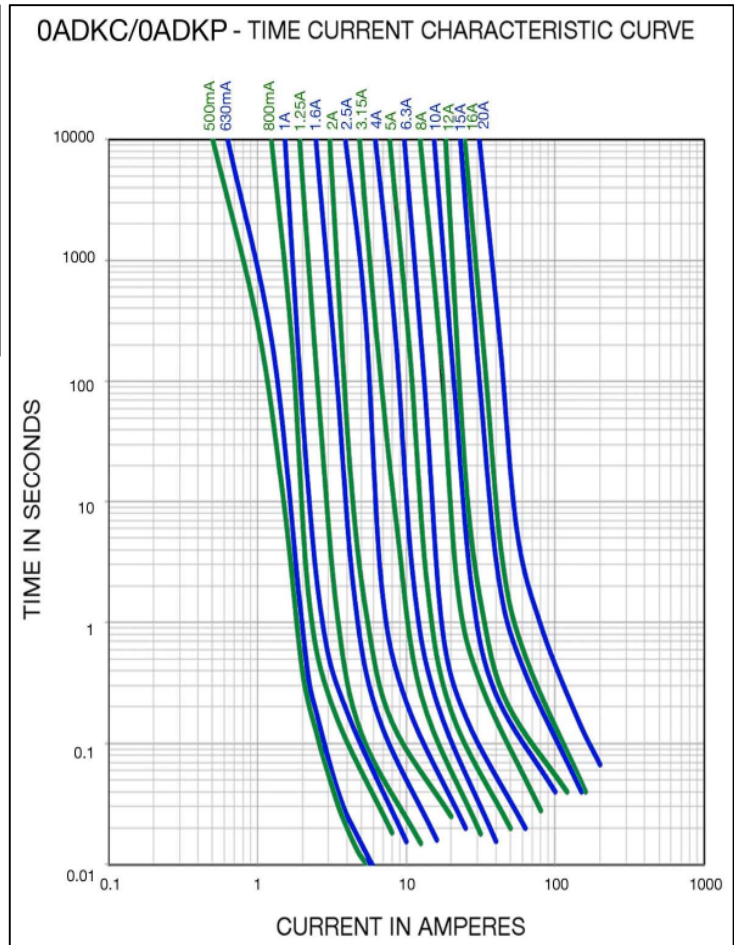
Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

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

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

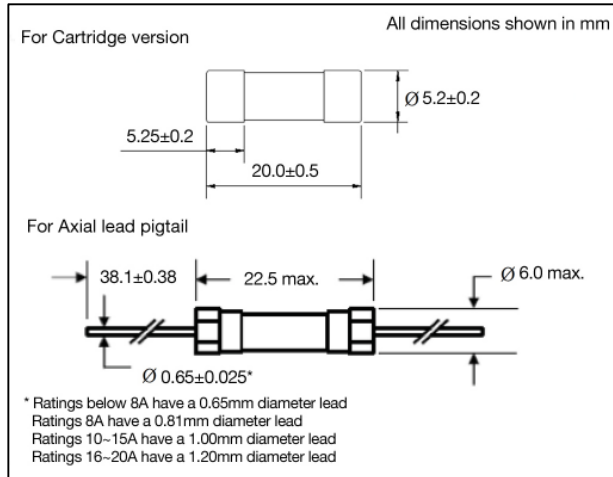
0ADK X [XXXX] -XX

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

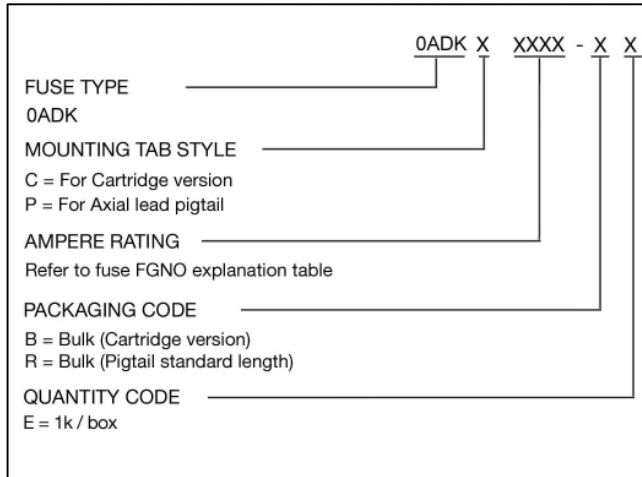
Fraction	Decimal	Milliamps	Bel FGNO[XXXX]
1/2	0.500	500	0500
	.630	630	0630
8/10	.800	800	0800

Fraction	Decimal	Amps	Bel FGNO[XXXX]
	1.0	1	1000
1-1/4	1.25	1.25	1250
	1.6	1.6	1600
	2.0	2	2000
2-1/2	2.5	2.5	2500
	3.15	3.15	3150
	4.0	4	4000
	5.0	5	5000
	6.3	6.3	6300
	8.0	8	8000
		10	9100
		12	9120
		15	9150
		16	9160
		20	9200

Mechanical Dimensions



Ordering Information



Packaging

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



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