

# 3JS 500 Datasheet



DiGi Electronics Part Number	3JS 500-DG
Manufacturer	<a href="#">Bel Fuse Inc.</a>
Manufacturer Product Number	3JS 500
Description	FUSE GLASS 500MA 350VAC 140VDC
Detailed Description	500 mA 350 V AC 140 V DC Fuse Cartridge, Glass Th rough Hole 2AG, 5mm x 15mm (Axial)

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This model 3JS 500 is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

3JS 500

Series:

3JS

Mounting Type:

Through Hole

Current Rating (Amps):

500 mA

Voltage Rating - DC:

140 V

Package / Case:

2AG, 5mm x 15mm (Axial)

Melting I<sup>2</sup>t:

1.55

Operating Temperature:

-55°C ~ 125°C

Size / Dimension:

0.217" Dia x 0.591" L (5.50mm x 15.00mm)

Manufacturer:

Bel Fuse Inc.

Product Status:

Obsolete

Fuse Type:

Cartridge, Glass

Voltage Rating - AC:

350 V

Response Time:

Slow Blow

Breaking Capacity @ Rated Voltage:

100A AC, 150A DC

Approval Agency:

CE, CSA, cURus, PSE

Color:

-

DC Cold Resistance:

0.84 Ohms

## Environmental & Export classification

RoHS Status:

RoHS non-compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.10.0020

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

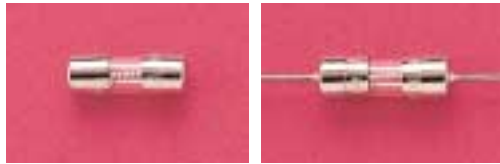
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## Type 2JS / 3JS Time-lag Fuse Series

5 x 15mm Glass Tube

JSD0903



### Electrical Characteristics (UL/CSA STD. 248-14)

Testing current	Blow Time	
	Minimum	Maximum
100%	4 hrs.	N/A
135%	N/A	1 hr
200%	3 sec	20 sec
500%	100 msec	1.5 sec
1000%	30 msec	300 msec

### Approvals



Safety Agency Approvals	Type	Amp range / Volt @ I.R. ability
Recognized File No. E20624	2JS/3JS	100mA - 7A / 350V AC@ 100A 100mA - 7A / 125V AC@ 10,000A 100mA - 7A / 140V DC@ 150A
Acceptance File No. LR39772	2JS/3JS	100mA - 7A / 350V AC@ 100A 100mA - 7A / 125V AC@ 10,000A
File No. JET1037-31003-1001, JET1037-31003-1003	2JS/3JS	1A - 5A / 125V AC@ 500A
File No. JET1037-31003-1002	2JS	>5A - 15A / 125V AC@ 300A

### Operating Temperature

-55°C to +125°C

### Physical Specification

#### Materials

Glass body / Nickel Plated Brass Caps

LeadWire:

Tin-lead plated Copper, Diameter 0.032"

#### Option

With Heat Shrink Tubing (VW-1) over body

#### Marking

On fuse:

"bel", "JS", "Current Rating", "350V"  
"Appropriate Safety Logos"

On label:

Above info plus "CE"; Interrupting Rating & Type  
"2JS" or "3JS"

#### Packaging

1. In bulk:

2JS - 2,000 pcs; 3JS - 500 pcs per box

2. On Axial Tape & Reel: 1,500 pcs per reel

3. Tape & Reel specification:

per EIA-296-E & IEC 286-1

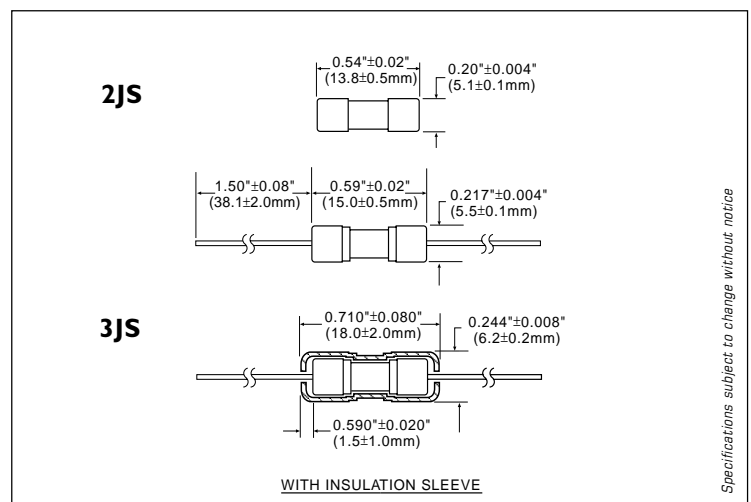
@ 10mm Pitch and 52.4mm inside Tape Spacing

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% I <sub>n</sub> (Volt) max.	Melting I <sup>2</sup> T < 10 mSec (A <sup>2</sup> Sec)	Melting I <sup>2</sup> T @10 I <sub>n</sub> (A <sup>2</sup> Sec)	Maximum Power Dissipation (W)
JS 100	100mA	11.00	1.55	0.068	0.088	0.22
JS 125	125mA	7.62	1.35	0.107	0.138	0.245
JS 150	150mA	5.28	1.17	0.167	0.216	0.273
JS 200	200mA	3.66	1.02	0.26	0.34	0.303
JS 250	250mA	2.54	0.89	0.41	0.53	0.338
JS 300	300mA	1.76	0.77	0.64	0.83	0.376
JS 350	350mA	1.46	0.72	0.80	1.03	0.40
JS 400	400mA	1.22	0.67	0.99	1.29	0.42
JS 500	500mA	0.84	0.59	1.55	2.03	0.47
JS 750	750mA	0.487	0.48	3.04	3.97	0.55
JS 1	1A	0.281	0.387	5.93	7.76	0.64
JS 1.25	1.25A	0.195	0.337	9.3	12.2	0.71
JS 1.5	1.5A	0.135	0.293	14.5	19.0	0.80
JS 2	2A	0.094	0.255	22.6	29.8	0.89
JS 2.5	2.5A	0.065	0.222	35.3	46.6	0.99
JS 3	3A	0.045	0.194	55.2	72.9	1.10
JS 3.5	3.5A	0.037	0.181	69	91	1.16
JS 4	4A	0.031	0.168	86	114	1.22
JS 5	5A	0.022	0.147	135	179	1.4
JS 6	6A	0.015	0.128	211	279	1.5
JS 7	7A	0.012	0.119	263	350	1.6

Consult manufacturer for other ratings

\*2JS are cartridge fuses  
3JS are pigtail fuses

### Mechanical Dimensions



Specifications subject to change without notice

ORDERING INFORMATION SEE PAGES 67 & 68

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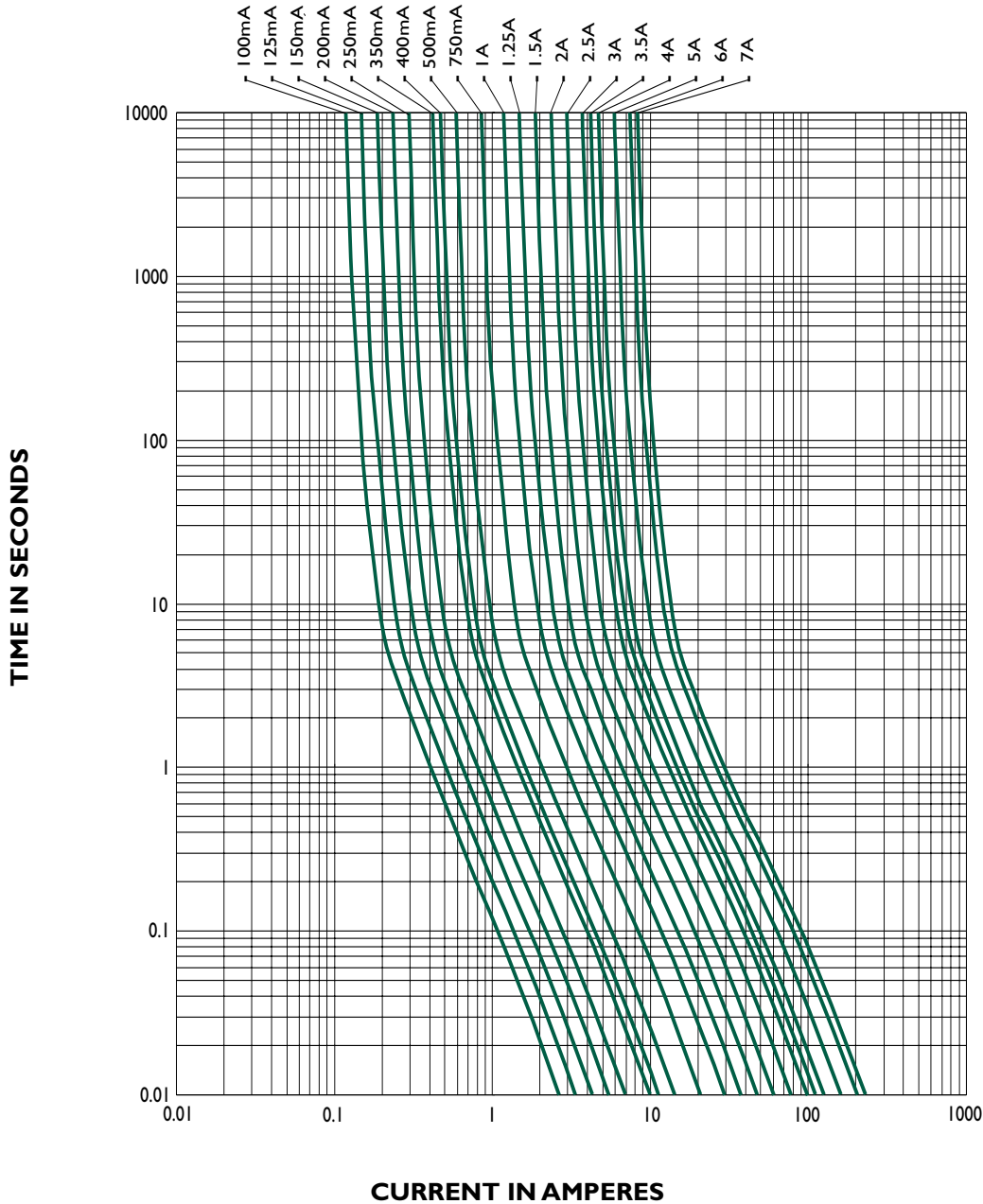


**Type 2JS / 3JS**  
Time-lag Fuse Series

5 x 15mm Glass Tube

JSC0801

**2JS / 3JS - TIME CURRENT CHARACTERISTIC CURVE**



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NOTE - see important information under "User Guide" on P.08

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