



# Axial Met Polyester & Polypropylene Film Capacitor – JFG

## JFGA: AXIAL LEAD, METALLIZED POLYESTER FILM CAPACITOR – CYCLOIDAL

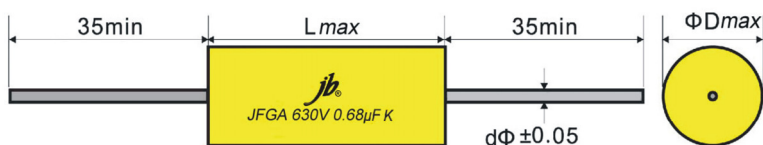
### FEATURES

- JFGA is constructed with metallized polyester film as medium and electricode, wrapped and sealed with flame-retardant plastic and epoxy resin. With high reliability, high temperature-resistance, small volume, large capacity and good self-healing property.
- Mainly used in instruments and the DC & AC circuit of the household equipment and the fractional frequency circuit of acoustics system.

### SPECIFICATIONS

- Operating Temperature:  $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- Rated Voltage: 100V, 250V, 400V, 630V.DC
- Withstand Voltage:  $1.6U_R$  2s ( $1.5U_R$  5s)
- Capacitance Range:  $0.033 \sim 68 \mu\text{F}$
- Capacitance Tolerance:  $\pm 5\%$ ,  $\pm 10\%$
- Insulation Resistance:
  - $C \leq 0.33 \mu\text{F}$   $VR \leq 100\text{V}(10\text{V}) \geq 7500\text{M}\Omega$
  - $VR > 100\text{V}$   $\geq 15000 \text{M}\Omega$
  - $C > 0.33 \mu\text{F}$   $VR \leq 100\text{V}(10\text{V}) \geq 2500\text{S}$
  - $VR > 100\text{V}$   $\geq 5000\text{S}$
- Dissipation Factor:
  - $C < 1 \mu\text{F}$   $\leq 0.013$  10KHz
  - $1 \mu\text{F} < C \leq 10 \mu\text{F}$   $\leq 0.008$  1KHz
  - $C > 10 \mu\text{F}$   $\leq 0.010$  1KHz

### DRAWING



### STANDARD SIZE (mm)

VDC Mfd	100VDC			250VDC			400VDC			630VDC			
	L	D	d	L	D	d	L	D	d	L	D	d	
<b>333</b>	<b>0.033</b>	--	--	--	--	--	--	--	--	15.5	7.0	0.6	
<b>473</b>	<b>0.047</b>	--	--	--	--	--	20.0	6.0	0.6	20.5	7.5	0.6	
<b>683</b>	<b>0.068</b>	--	--	--	--	--	20.0	6.5	0.6	20.5	8.5	0.8	
<b>104</b>	<b>0.1</b>	15.0	6.5	0.6	15.0	6.5	0.6	20.0	7.5	0.6	20.5	8.0	0.6
<b>224</b>	<b>0.22</b>	15.0	6.5	0.6	15.0	6.5	0.6	20.0	9.5	0.8	25.0	11.5	0.8
<b>334</b>	<b>0.33</b>	15.0	8.0	0.6	20.0	7.5	0.6	20.5	9.5	0.8	26.0	9.5	0.8
<b>474</b>	<b>0.47</b>	20.0	7.0	0.6	20.0	8.5	0.8	26.0	9.0	0.8	31.0	14.0	0.8
<b>684</b>	<b>0.68</b>	20.0	7.5	0.6	20.0	10.0	0.8	26.0	10.5	0.8	32.0	11.5	0.8
<b>105</b>	<b>1.0</b>	20.0	9.0	0.8	25.0	10.0	0.8	31.0	14.0	0.8	32.0	14.5	0.8
<b>225</b>	<b>2.2</b>	25.0	11.0	0.8	31.0	12.0	0.8	37.5	14.5	0.8	37.5	17.5	0.8
<b>335</b>	<b>3.3</b>	25.0	14.0	0.8	31.0	14.5	0.8	37.5	17.5	0.8	47.5	19.0	0.8
<b>475</b>	<b>4.7</b>	31.0	13.5	0.8	31.0	17.5	0.8	37.5	20.0	1.0	47.5	22.0	1.0
<b>565</b>	<b>5.6</b>	31.0	15.0	0.8	31.0	19.5	0.8	47.0	17.0	0.8	57.5	21.0	1.0
<b>685</b>	<b>6.8</b>	31.0	16.0	0.8	46.0	16.0	0.8	57.5	18.5	0.8	57.5	23.0	1.0
<b>825</b>	<b>8.2</b>	31.0	17.5	0.8	46.0	17.5	0.8	57.5	20.0	1.0	57.5	25.0	1.0
<b>106</b>	<b>10.0</b>	31.0	19.0	0.8	46.0	19.5	0.8	57.5	22.5	1.0	57.5	27.5	1.0
<b>156</b>	<b>15.0</b>	46.0	18.0	0.8	46.0	24.0	1.0	57.5	26.5	1.0	67.5	30.0	1.0
<b>226</b>	<b>22.0</b>	46.0	22.0	1.0	46.0	29.0	1.0	57.5	31.5	1.0	--	--	--
<b>336</b>	<b>33.0</b>	56.0	23.5	1.0	56.0	30.0	1.0	--	--	--	--	--	--
<b>476</b>	<b>47.0</b>	56.0	29.0	1.0	58.0	37.0	1.0	--	--	--	--	--	--
<b>686</b>	<b>68.0</b>	58.0	33.0	1.0	61.0	41.0	1.0	--	--	--	--	--	--

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# Axial Met Polyester & Polypropylene Film Capacitor – JFG

## JFGB: AXIAL LEAD, METALLIZED POLYESTER FILM CAPACITOR – FLAT OVAL SHAPE

### FEATURES

- JFGB is constructed with metallized polyester film as medium and electricode, wrapped and sealed with flame-retardant plastic and epoxy resin. With high reliability, high temperature-resistance, small volume, large capacity and good self-healing property.
- Mainly used in instruments and the DC & AC circuit of the household equipment and the fractional frequency circuit of acoustics system.

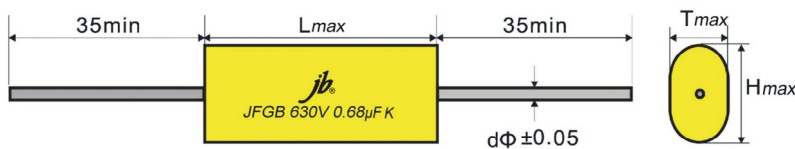
### SPECIFICATIONS

- Operating Temperature:  $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- Rated Voltage: 100V, 250V, 400V, 630V.DC
- Withstand Voltage:  $1.6U_R$  2s ( $1.5U_R$  5s)
- Capacitance Range:  $0.01 \sim 68 \mu\text{F}$
- Capacitance Tolerance:  $\pm 5\%$ ,  $\pm 10\%$
- Insulation Resistance:
 

$C \leq 0.33 \mu\text{F}$	$VR \leq 100\text{V}(10\text{V}) \geq 7500\text{M}\Omega$
	$VR > 100\text{V} \geq 15000 \text{M}\Omega$
- |                        |   |
|------------------------|---|
| $C > 0.33 \mu\text{F}$ | $VR \leq 100\text{V}(10\text{V}) \geq 2500\text{S}$ |
|                        | $VR > 100\text{V} \geq 5000\text{S}$                |
- Dissipation Factor:
 

$C \leq 1 \mu\text{F}$	$\leq 0.013$	10KHz
$1 \mu\text{F} < C \leq 10 \mu\text{F}$	$\leq 0.008$	1KHz
$C > 10 \mu\text{F}$	$\leq 0.010$	1KHz

### DRAWING



### STANDARD SIZE (mm)

VDC Mfd	100VDC				250VDC				400VDC				630VDC				
	L	T	H	d	L	T	H	d	L	T	H	d	L	T	H	d	
103	0.01	15.0	5.0	8.0	0.6	15.0	5.0	8.0	0.6	15.0	5.0	8.0	0.6	15.0	5.0	8.0	0.6
223	0.022	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6
333	0.033	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6	20.0	5.0	9.0	0.6
473	0.047	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6	20.0	5.0	9.0	0.6
683	0.068	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6	20.0	5.0	8.5	0.6	20.0	6.0	11.0	0.6
104	0.1	15.0	5.0	8.5	0.6	15.0	5.0	8.5	0.6	20.0	5.0	8.5	0.6	15.5	7.0	10.5	0.6
224	0.22	15.0	5.0	8.5	0.6	20.0	5.0	9.0	0.6	15.5	7.5	11.5	0.6	20.5	7.5	11.5	0.6
334	0.33	15.0	5.0	9.0	0.6	15.5	7.0	11.0	0.6	20.5	6.5	11.5	0.6	20.5	8.0	14.5	0.6
474	0.47	15.5	6.0	10.0	0.6	15.5	8.5	13.0	0.8	26.0	6.5	11.0	0.6	26.0	7.5	15.5	0.6
684	0.68	20.0	5.0	9.0	0.6	20.5	7.5	12.0	0.6	26.0	7.5	12.5	0.6	32.0	8.0	16.0	0.6
105	1.0	20.0	7.0	11.0	0.6	25.0	7.0	12.0	0.6	32.0	7.5	14.0	0.6	32.0	9.5	18.5	0.8
225	2.2	25.0	8.0	12.0	0.6	26.0	11.5	15.5	0.8	37.5	10.5	17.0	0.8	37.5	13.5	21.5	1.0
335	3.3	25.0	9.5	16.0	0.8	26.0	14.0	18.5	0.8	37.5	13.0	20.5	1.0	47.5	17.0	26.5	1.0
405	4.0	31.0	8.0	15.0	0.6	32.0	13.5	18.0	0.8	37.5	14.0	22.0	1.0	47.5	15.5	23.5	1.0
475	4.7	31.0	9.0	15.5	0.8	32.0	13.5	19.5	0.8	37.5	15.0	24.5	1.0	47.5	17.5	25.0	1.0
565	5.6	31.0	10.0	17.0	0.8	32.0	15.0	21.0	1.0	47.5	13.5	23.0	1.0	57.5	16.5	24.5	1.0
685	6.8	31.0	11.0	18.5	0.8	37.5	14.0	22.0	1.0	57.5	13.0	22.5	1.0	57.5	18.5	26.5	1.0
825	8.2	31.0	12.5	19.0	0.8	37.5	15.5	23.5	1.0	57.5	14.5	24.0	1.0	57.5	20.5	28.5	1.0
106	10.0	31.0	14.5	21.0	1.0	37.5	16.5	26.5	1.0	57.5	16.0	27.0	1.0	57.5	23.0	30.5	1.0
156	15.0	46.0	15.0	22.0	1.0	47.5	17.5	27.0	1.0	57.5	20.0	31.0	1.0	67.5	22.5	33.5	1.0
226	22.0	46.0	17.5	25.0	1.0	47.5	22.0	33.0	1.0	67.5	22.0	33.0	1.0	--	--	--	--
336	33.0	56.0	19.0	27.0	1.0	57.5	23.5	34.5	1.0	--	--	--	--	--	--	--	--
476	47.0	56.0	24.5	31.0	1.0	56.0	32.0	39.0	1.0	--	--	--	--	--	--	--	--
686	68.0	56.0	29.0	35.0	1.0	61.0	37.5	45.0	1.0	--	--	--	--	--	--	--	--

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**jb** Capacitors Company

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# Axial Met Polyester & Polypropylene Film Capacitor – JFG

## JFGC: AXIAL LEAD, METALLIZED POLYPROPYLENE FILM CAPACITOR - CYCLOIDAL

### ■ FEATURES

- JFGC is constructed with metallized polypropylene film as medium and electricode, wrapped and sealed with flame-retardant plastic and epoxy resin. With high reliability, high temperature-resistance, small volume, large capacity and good self-healing property.
- Mainly used in instruments and the DC & AC circuit of the household equipment and the fractional frequency circuit of acoustics system.

### ■ SPECIFICATIONS

- Operating Temperature -55°C ~ +100°C
- Rated Voltage 250V, 400V, 630V, 1000V, 1250V.DC
- Withstand Voltage 1.7U<sub>R</sub> 2s (1.5U<sub>R</sub> 5s)
- Capacitance Range 0.047 ~ 56 μF
- Capacitance Tolerance ±5%, ±10%
- Insulation Resistance C ≤ 0.33 μF ≥ 50000MΩ  
C > 0.33 μF ≥ 15000S
- Dissipation Factor C < 0.1 μF ≤ 0.0015 10KHz  
0.1 μF < C ≤ 1 μF ≤ 0.0020 10KHz  
1 μF < C ≤ 4.7 μF ≤ 0.0030 10KHz  
C > 4.7 μF ≤ 0.0015 1KHz

### ■ DRAWING



### ■ STANDARD SIZE (mm)

VDC Mfd		250VDC			400VDC			630VDC			1000VDC			1250VDC		
		L	D	d	L	D	d	L	D	d	L	D	d	L	D	d
473	0.047	15.0	7.0	0.6	15.0	7.0	0.6	15.5	8.0	0.8	20.5	9.0	0.8	26.0	9.0	0.8
683	0.068	15.0	7.5	0.6	20.0	10.5	0.8	15.5	9.0	0.8	26.0	9.0	0.8	26.0	10.5	0.8
104	0.1	15.0	6.0	0.6	15.5	7.0	0.8	25.0	10.0	0.8	26.0	10.0	0.8	32.0	11.5	0.8
224	0.22	15.5	8.0	0.6	15.5	9.0	0.8	20.5	12.0	0.8	26.0	14.0	0.8	32.0	15.5	0.8
334	0.33	20.5	7.5	0.6	20.5	8.5	0.8	26.0	12.0	0.8	32.0	15.0	0.8	37.0	16.5	0.8
474	0.47	29.0	8.5	0.8	20.5	9.5	0.8	26.0	13.5	0.8	37.0	16.0	0.8	37.0	19.0	0.8
684	0.68	20.5	10.0	0.8	26.0	10.0	0.8	26.0	16.0	0.8	37.0	18.5	0.8	48.0	20.0	1.0
105	1.0	20.5	12.0	0.8	26.0	12.0	0.8	32.0	16.5	0.8	48.0	19.0	0.8	48.0	23.5	1.0
225	2.2	26.0	14.5	0.8	32.0	14.5	0.8	37.0	21.5	1.0	58.0	24.5	1.0	58.0	30.0	1.0
335	3.3	26.0	17.0	0.8	32.0	17.5	0.8	37.0	26.0	1.0	58.0	29.0	1.0	68.0	33.5	1.0
405	4.0	26.0	18.5	0.8	37.0	17.0	0.8	48.0	24.5	1.0	68.0	29.0	1.0	--	--	--
475	4.7	32.0	17.5	0.8	37.0	18.5	0.8	48.0	26.5	1.0	68.0	31.5	1.0	--	--	--
565	5.6	37.0	17.0	0.8	37.0	20.0	1.0	58.0	25.5	1.0	68.0	34.5	1.0	--	--	--
685	6.8	37.0	18.5	0.8	48.0	19.0	0.8	58.0	28.0	1.0	--	--	--	--	--	--
825	8.2	48.0	17.5	0.8	48.0	20.5	1.0	68.0	27.5	1.0	--	--	--	--	--	--
106	10.0	48.0	19.0	0.8	48.0	23.0	1.0	68.0	30.5	1.0	--	--	--	--	--	--
156	15.0	58.0	20.5	1.0	58.0	24.5	1.0	--	--	--	--	--	--	--	--	--
226	22.0	58.0	25.0	1.0	58.0	29.0	1.0	--	--	--	--	--	--	--	--	--
306	30.0	58.0	29.0	1.0	68.0	30.5	1.0	--	--	--	--	--	--	--	--	--
336	33.0	68.0	27.5	1.0	68.0	32.5	1.0	--	--	--	--	--	--	--	--	--
396	39.0	68.0	29.5	1.0	68.0	35.0	1.0	--	--	--	--	--	--	--	--	--
476	47.0	68.0	33.0	1.0	--	--	--	--	--	--	--	--	--	--	--	--
566	56.0	68.0	35.5	1.0	--	--	--	--	--	--	--	--	--	--	--	--

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# jb® Axial Met Polyester & Polypropylene Film Capacitor – JFG

## JFGD: AXIAL LEAD, METALLIZED POLYPROPYLENE FILM CAPACITOR – FLAT OVAL SHAPE

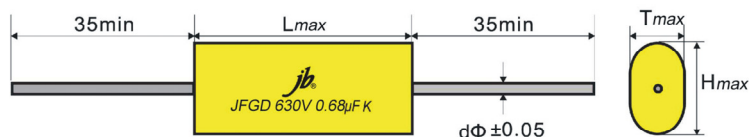
### ■ FEATURES

- JFGD is constructed with metallized polypropylene film as medium and electricode, wrapped and sealed with flame-retardant plastic and epoxy resin. With high reliability, high temperature-resistance, small volume, large capacity and good self-healing property.
- Mainly used in instruments and the DC & AC circuit of the household equipment and the fractional frequency circuit of acoustics system.

### ■ SPECIFICATIONS

- Operating Temperature -55°C ~ +100°C
- Rated Voltage 250V, 400V, 630V, 1000V, 1250V.DC
- Withstand Voltage 1.7U<sub>R</sub> 2s (1.5U<sub>R</sub> 5s)
- Capacitance Range 0.022 ~ 47 μF
- Capacitance Tolerance ±5%, ±10%
- Insulation Resistance C≤0.33 μF ≥50000MΩ  
C>0.33 μF ≥15000S
- Dissipation Factor C≤0.1 μF ≤0.0015 10KHz  
0.1 μF < C ≤ 1 μF ≤0.0020 10KHz  
1 μF < C ≤ 4.7 μF ≤0.0030 10KHz  
C > 4.7 μF ≤0.0015 1KHz

### ■ DRAWING



### ■ STANDARD SIZE (mm)

VDC Mfd	250VDC				400VDC				630VDC				1000VDC				1250VDC				
	L	T	H	d	L	T	H	d	L	T	H	d	L	T	H	d	L	T	H	d	
223	0.022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.5	7.5	10.5	0.6	
333	0.033	--	--	--	--	--	--	--	--	--	--	--	--	15.5	7.0	10	0.6	20.5	6.5	9.5	0.6
473	0.047	--	--	--	--	--	--	--	--	--	--	--	--	15.5	8.5	12	0.8	20.5	7.5	12	0.6
683	0.068	--	--	--	--	--	--	--	--	--	--	--	--	20.5	7.0	11.5	0.6	26	7.0	13	0.6
104	0.1	15	5.0	8.0	0.6	20	7.0	10.5	0.6	25	6.5	13	0.6	26	7.0	11.5	0.6	26	8.5	14.5	0.8
224	0.22	20	5.0	9.0	0.6	15.5	6.5	10.5	0.6	15.5	12.0	16	0.8	26	10.0	16	0.8	32	10.5	18	0.8
334	0.33	15.5	7.0	10.5	0.6	15.5	8.0	12.5	0.6	20.5	10.5	15	0.8	32	10.0	17.5	0.8	37.5	11.5	20	0.8
474	0.47	15.5	8.5	12.5	0.8	20.5	7.0	11.5	0.6	20.5	13.0	17	0.8	37.5	10.5	19.5	0.8	47.5	10.5	21	0.8
684	0.68	20.5	6.8	12.0	0.6	20.5	9.0	13.0	0.8	26	12.0	18	0.8	47.5	10.0	20.5	0.8	57.5	11.5	23.5	0.8
105	1.0	20.5	8.5	13.5	0.8	26	9.0	13.0	0.8	26	15.0	20.5	1.0	57.5	10.5	23	0.8	67.5	12.5	25	1.0
225	2.2	31	11.0	17.5	0.8	32	11.5	16.0	0.8	32	18.5	26.5	1.0	67.5	15.5	27.5	1.0	67.5	20.0	32.5	1.0
335	3.3	32	11.5	17.5	0.8	32	13.5	19.5	0.8	32	23.0	32.5	1.0	67.5	19.5	31.5	1.0	67.5	20.0	32.5	1.0
475	4.7	31	16.5	22.5	1.0	37.5	15.0	22.0	1.0	37.5	24.0	35	1.0	67.5	24.0	36.5	1.0	--	--	--	--
565	5.6	37.5	13.0	20.5	1.0	47.5	14.5	21.0	0.8	47.5	21.0	34	1.0	--	--	--	--	--	--	--	--
685	6.8	47.5	11.0	20.5	0.8	47.5	15.0	23.0	1.0	57.5	20.5	33.5	1.0	--	--	--	--	--	--	--	--
825	8.2	47.5	12.5	22.0	1.0	57.5	14.0	22.0	1.0	57.5	23.0	35.5	1.0	--	--	--	--	--	--	--	--
106	10.0	47.5	15.0	23.5	1.0	57.5	14.5	24.5	1.0	67.5	23.0	35.5	1.0	--	--	--	--	--	--	--	--
156	15.0	57.5	14.5	26.0	1.0	67.5	16.0	27.0	1.0	--	--	--	--	--	--	--	--	--	--	--	--
226	22.0	57.5	18.5	29.5	1.0	67.5	19.0	32.5	1.0	--	--	--	--	--	--	--	--	--	--	--	--
306	30.0	67.5	19.0	32.0	1.0	67.5	23.5	36.0	1.0	--	--	--	--	--	--	--	--	--	--	--	--
336	33.0	67.5	20.0	33.5	1.0	67.5	24.5	37.5	1.0	--	--	--	--	--	--	--	--	--	--	--	--
476	47.0	67.5	25.0	38.0	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Please visit our website to get more update data, those data & specification are subject to change without notice.

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