

# Plastic Film Capacitors

## Part Number System

Main Series

J	F	A
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Sub-Series

0
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Voltage

2	A
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Capacitance

1	0	2
---	---	---

Tol.

J
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Pitch

0	5	0
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Lead Length

0	0	0
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Packing

B
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Main Series	Sub-Series
JFA	0
JFB	0
JFC	0
JFD	0
JFE	0
JFF	0
JFG	A
	B
	C
	D
JFH	0
JFJ	0
	1
JFL	0
JFM	0
JFN	0
JFO	0
JFP	0
JFQ	0
JFQ	D
JFQ	P
JFR	A
	R
JFS	Refer spec.
	0
JFT	0
JFV	0
JFW	0
JFZ	0

Voltage	Code
50V	1H
63V	1J
100V	2A
160V	2C
200V	2D
250V	2E
300V	2L
360V	2N
400V	2G
600V	2U
630V	2J
700V	2M
800V	2K
900V	1X
1,000V	3A
1,100V	3Z
1,250V	3B
1,300V	3M
1,600V	3C
2,000V	3D
3,000V	3F
9,000	3X
125VAC	B2
150VAC	D0
250VAC	A3
275VAC	A1
300VAC	A2
305VAC	A8
310VAC	A9
320VAC	K2
330VAC	R1
350VAC	R2
400VAC	A4
440VAC	A5
450VAC	A6
475VAC	S3
480VAC	A7
500VAC	H2
630VAC	J2

Capacitance	Code
10pF	100
100pF	101
1000pF	102
0.01uF	103
0.1uF	104
1uF	105
10uF	106

Tol.	Code
±1%	F
±2%	G
±3%	E
±5%	J
±10%	K

Pitch	Code
Axial	000
3.5	035
4.0	040
4.5	045
5.0	050
6.0	060
7.0	070
8.0	080
8.5	085
9.0	090
9.5	095
10.0	100
10.5	105
11.0	110
11.5	115
12.0	120
12.5	125
13.0	130
15.0	150
15.5	155
20.0	200
20.5	205
21.0	210
22.5	225
26.5	265
27.5	275

Special require	
For JFQP	
P2	Code
10.2	102
20.3	203

Lead Length	Code
Standard.	000
Cut Lead Length	
3.5	035
4.0	040
4.5	045
5.0	050
6.0	060
Long Lead Length	
25	250
30	300
35	350

Packing	Code
Ammo	A
Bulk	B
Tape & Reel	R

# Box Type Met Polyester Film Capacitor, Stacked – JFJ



## FEATURES

- High dv / dt ability and small size due to stacked construction
- Non-inductive, Plastic case and epoxy resin

## SPECIFICATIONS

Reference Standard	GB7332 (IEC 60384-2)
Climatic Category	55/ 100/ 56
Rated Temperature	85°C
Operating Temperature Range	-55°C ~ +105°C (+85°C to +105°C: decreasing factor 1.25% per for °C V <sub>R</sub> (DC)
Rated Voltage	63V, 100V, 250V, 400V, 500V, 630V
Capacitance Range	0.001 ~ 1.0uF
Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)
Voltage Proof	Type A: 1.6U <sub>R</sub> (5s) ; Type B: 1.4U <sub>R</sub> (5s)

### Insulation Resistance

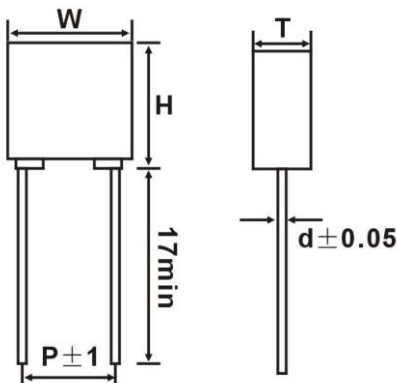
U <sub>R</sub> >100V	≥30,000MΩ, C <sub>R</sub> ≤0.33 μF	(20°C, 100V, 1min)
U <sub>R</sub> ≤100V	≥15,000MΩ, C <sub>R</sub> ≤0.33 μF	(20°C, 10V, 1min)
	≥5,000s, C <sub>R</sub> >0.33 μF	

### Dissipation Factor

Frequency	C <sub>R</sub> ≤0.1 μF	C <sub>R</sub> >0.1 μF
1KHz	≤1.0%	≤1.0%
10KHz	≤1.5%	≤1.5%
100KHz	≤3.0%	---

If the working voltage (U) is lower than the rated voltage (U<sub>R</sub>), the capacitor can be worked at a higher dv/dt. In this case, the maximum allowed dv/dt is obtain by multiplying the right value with U<sub>R</sub>/U.

U <sub>R</sub> (V)	dv/ dt (V/ μs)	
	Type A	Type B
63	250	75
100	300	85
250	400	100
400	600	150
500	700	200
630	800	200



## DIMENSIONS (mm)

(Capacitor Thickness) T	≤3.5	>3.5
(Lead Wire Diz.)d±0.05	0.5	0.6
(Dimension Tolerance: W, H, T)	±0.2	±0.4

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

# Box Type Met Polyester Film Capacitor, Stacked – JFJ

## STANDARD SIZE

### Type A (P: 5mm)

Series Code for Type A: JFJ0 (please refer to our [Part Number System](#) )

(μF)	63VDC			100VDC			250VDC			400VDC			500VDC			630VDC		
	W	H	T	W	H	T	W	H	T	W	H	T	W	H	T	W	H	T
0.0010	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5
0.0012	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5
0.0015	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5
0.0018	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.0022	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.0027	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5
0.0033	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	7.5	3.5
0.0039	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	7.5	3.5
0.0047	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	9.5	4.5
0.0056	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	7.5	3.5	7.2	9.5	4.5
0.0068	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	9.5	4.5	7.2	9.5	4.5
0.0082	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	9.5	4.5	7.2	9.5	4.5
0.010	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	9.5	4.5	7.2	10.0	5.0
0.012	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	9.5	4.5	7.2	9.5	4.5	7.2	11.0	6.0
0.015	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	9.5	4.5	7.2	10.0	5.0	7.2	11.0	6.0
0.018	7.2	6.5	2.5	7.2	6.5	2.5	7.2	6.5	2.5	7.2	9.5	4.5	7.2	11.0	6.0	7.2	11.0	6.0
0.022	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	10.0	5.0	7.2	11.0	6.0	--	--	--
0.027	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	11.0	6.0	7.2	11.0	6.0	--	--	--
0.033	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	11.0	6.0	--	--	--	--	--	--
0.039	7.2	6.5	2.5	7.2	6.5	2.5	7.2	7.5	3.5	7.2	11.0	6.0	--	--	--	--	--	--
0.047	7.2	6.5	2.5	7.2	6.5	2.5	7.2	9.5	4.5	7.2	11.0	6.0	--	--	--	--	--	--
0.056	7.2	6.5	2.5	7.2	6.5	2.5	7.2	9.5	4.5	--	--	--	--	--	--	--	--	--
0.068	7.2	6.5	2.5	7.2	6.5	2.5	7.2	9.5	4.5	--	--	--	--	--	--	--	--	--
0.082	7.2	6.5	2.5	7.2	6.5	2.5	7.2	10.0	5.0	--	--	--	--	--	--	--	--	--
0.10	7.2	6.5	2.5	7.2	7.5	3.5	7.2	10.0	5.0	--	--	--	--	--	--	--	--	--
0.12	7.2	6.5	2.5	7.2	9.5	4.5	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--
0.15	7.2	7.5	3.5	7.2	9.5	4.5	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--
0.18	7.2	7.5	3.5	7.2	9.5	4.5	--	--	--	--	--	--	--	--	--	--	--	--
0.22	7.2	7.5	3.5	7.2	10.0	5.0	--	--	--	--	--	--	--	--	--	--	--	--
0.27	7.2	9.5	4.5	7.2	10.0	5.0	--	--	--	--	--	--	--	--	--	--	--	--
0.33	7.2	9.5	4.5	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--
0.39	7.2	9.5	4.5	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--
0.47	7.2	10.0	5.0	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--
0.56	7.2	10.0	5.0	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--
0.68	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.82	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1.0	7.2	11.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

### Type B (P: 5mm)

Series code for Type B: JFJ1 (please refer to our [Part Number System](#) )

(μF)	63VDC			100VDC			(μF)	63VDC			100VDC		
	W	H	T	W	H	T		W	H	T	W	H	T
0.10	--	--	--	7.2	6.5	2.5	0.39	7.2	7.5	3.5	7.2	9.5	4.5
0.12	--	--	--	7.2	6.5	2.5	0.47	7.2	7.5	3.5	7.2	10.0	5.0
0.15	7.2	6.5	2.5	7.2	7.5	3.5	0.56	7.2	9.5	4.5	7.2	10.0	5.0
0.18	7.2	6.5	2.5	7.2	7.5	3.5	0.68	7.2	9.5	4.5	7.2	11.0	6.0
0.22	7.2	6.5	2.5	7.2	7.5	3.5	0.82	7.2	9.5	4.5	7.2	11.0	6.0
0.27	7.2	6.5	2.5	7.2	9.5	4.5	1.0	7.2	10.0	5.0	7.2	11.0	6.0
0.33	7.2	7.5	3.5	7.2	9.5	4.5	1.5	7.2	11.0	6.0	--	--	--

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