

# jb® 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 50V/63V, 100V, 250V, 400V, 500V, 630V
- Capacitance Range 0.001 ~ 1.0Mf
- 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

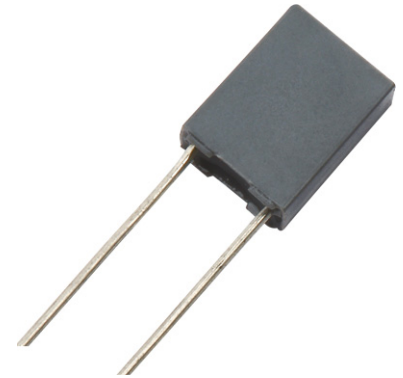
U <sub>R</sub> >100V	≥30,000MΩ, C <sub>R</sub> ≤0.33 μF	(20°C, 100V, 1min)
U <sub>R</sub> ≤100V	≥15,000MΩ, C <sub>R</sub> ≤0.33 μF ≥5,000s, C <sub>R</sub> >0.33 μF	(20°C, 10V, 1min)

- Dissipation Factor

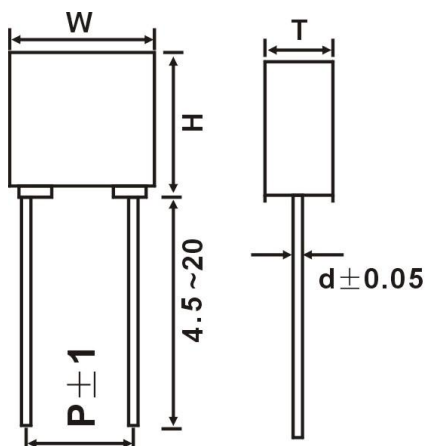
Frequency	C <sub>R</sub> ≤0.1 μF	C <sub>R</sub> >0.1 μF
1KHz	≤1.0%	≤1.0%
10KHz	≤1.5%	≤1.5%
100KHz	≤3.0%	---

- 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/ μ s)
50/63	250
100	300
250	400
400	600
500	700
630	800



## ■ Outline Drawing



## ■ 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

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## ■ STANDARD SIZE

### Type A (P: 5mm)

(μF)	50/63VDC			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)

(μF)	50/63VDC			100VDC			(μF)	50/63VDC			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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