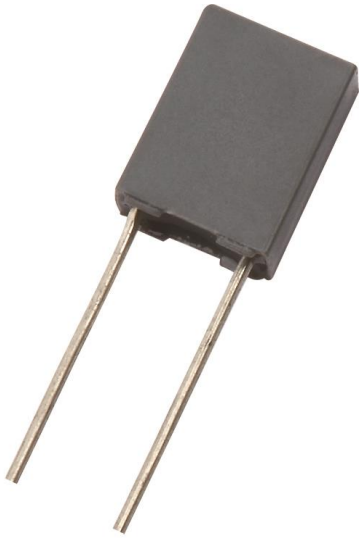
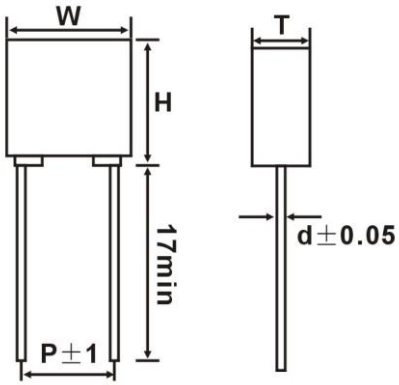
# Box Type Met Polyester Film Capacitor, Stacked – JFJ






## 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℃ |
| Operating Temperature Range | -55℃~ +105℃ (+85℃ to +105℃: decreasing factor 1.25% per for ℃ $V_R$ (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: 1.6$U_R$ (5s) ; Type B: 1.4$U_R$ (5s) |

Insulation Resistance

| | | |
|---|---|---|
| $U_R$>100V | ≥30,000MΩ, $C_R$≤0.33 μF | (20℃, 100V, 1min) |
| $U_R$≤100V | ≥15,000MΩ, $C_R$≤0.33 μF | (20℃, 10V, 1min) |
| | ≥5,000s, $C_R$>0.33 μF | |

Dissipation Factor

| Frequency | $C_R$≤0.1 μF | $C_R$>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 ($U_R$), 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 $U_R$/U.

| $U_R$ (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 |



jb® Capacitors Company
www.jbcapacitors.com
E-mail: info@jbcapacitors.com
www.jbcapacitors.hk
Tel : (852)2790 5091 Fax: (852)8169 8283

# 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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