

# jb<sup>®</sup> Met Polypropylene Film Capacitor – JFL

## ■ FEATURES

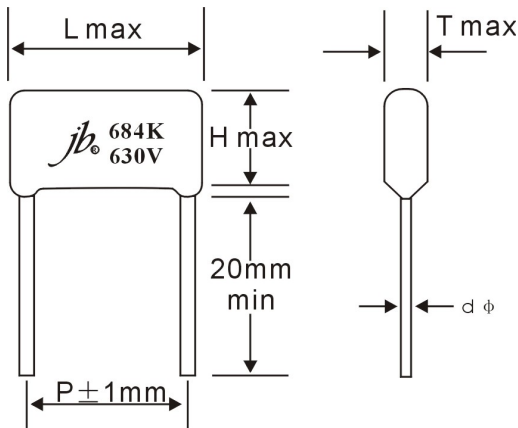
- Non-inductive, epoxy dip coated, high moisture resistance.
- Dissipation factor is normally low and it is stable against high frequency and change of temperature.
- Remcommended for high-frequency circuits like s-curve compensating circuit.
- High reliability because of its excellent Self-Healing performance.

## ■ SPECIFICATIONS

- Operating Temperature -40°C ~ +85°C
- Rated Voltage (V.DC) 100V(2A), 250V(2E), 400V(2G), 630V(2J).
- Capacitance Range 0.01 ~ 10.0 μF
- Capacitance Tolerance ±5%, ±10%, ±20%
- Insulation Resistance C>0.33 μF R>39.000MΩ ; C≥.33 μF R>10.000MΩxMfd
- Dissipation Factor ≤0.002 (at 1KHz) (typical 0.001 max)  
≤0.002 (at 10KHz) for 0.01≤≤0.1Mfd  
≤0.003 (at 10KHz) for 0.1≤≤0.1Mfd
- Dielectric Strength 150% of rated voltage for 5 sec.



## ■ DRAWING



## ■ STANDARD SIZE

| VDC<br>Mfd  | 100 VDC (2A) |      |      |     |      | 250 VDC (2E) |      |      |     |      |
|-------------|--------------|------|------|-----|------|--------------|------|------|-----|------|
|             | L            | T    | H    | d   | P    | L            | T    | H    | d   | P    |
| 0.01        | 13           | 7    | 10   | 0.6 | 10   | 13           | 7    | 11   | 0.6 | 10   |
| 0.012~0.015 | 13           | 6    | 10   | 0.6 | 10   | 13           | 6    | 10   | 0.6 | 10   |
|             | 10.5         | 5.5  | 7.5  | 0.6 | 7.5  |              |      |      |     |      |
| 0.022~0.027 | 13           | 8    | 12   | 0.6 | 10   | 13           | 8    | 12   | 0.6 | 10   |
|             | 10.5         | 6    | 10   | 0.6 | 7.5  | 18           | 7    | 10   | 0.8 | 15   |
| 0.033       | 13           | 7    | 11   | 0.6 | 10   | 13           | 7    | 11   | 0.6 | 10   |
|             | 10.5         | 6.5  | 9.5  | 0.6 | 7.5  |              |      |      |     |      |
| 0.039~0.047 | 13           | 6.5  | 10   | 0.6 | 10   | 13           | 6.5  | 10   | 0.6 | 10   |
| 0.056       | 10.5         | 7    | 10   | 0.6 | 7.5  | 13           | 7    | 10   | 0.6 | 10   |
| 0.068       | 13           | 6.5  | 10   | 0.6 | 10   | 13           | 6.5  | 10   | 0.6 | 10   |
| 0.1         | 13           | 7    | 11   | 0.6 | 10   | 13           | 7    | 11   | 0.6 | 10   |
| 0.15        | 13           | 8    | 12   | 0.6 | 10   | 13           | 8    | 12   | 0.6 | 10   |
| 0.22        | 13           | 8    | 12   | 0.6 | 10   | 13           | 9.5  | 13.5 | 0.6 | 10   |
|             | 18           | 7.5  | 12   | 0.8 | 15   | 18           | 7.5  | 12   | 0.8 | 15   |
| 0.33        | 18           | 8.5  | 13   | 0.8 | 15   | 18           | 8.5  | 13   | 0.8 | 15   |
| 0.47        | 18           | 9.5  | 14   | 0.8 | 15   | 18           | 9.5  | 14   | 0.8 | 15   |
|             |              |      |      |     |      | 23           | 7.5  | 14   | 0.8 | 20   |
| 0.68        |              | 9    | 16   | 0.8 | 20   | 23           | 9    | 16   | 0.8 | 20   |
| 1.0         | 23           | 10.5 | 16.5 | 0.8 | 20   | 23           | 10.5 | 16.5 | 0.8 | 20   |
|             |              |      |      |     |      | 25           | 10   | 17   | 0.8 | 22.5 |
| 1.2         | 23           | 12   | 18   | 0.8 | 20   | 23           | 12   | 18   | 0.8 | 20   |
|             |              |      |      |     |      | 25           | 11   | 18   | 0.8 | 22.5 |
| 1.5         | 31           | 10   | 19   | 0.8 | 27.5 | 25           | 12.5 | 18.5 | 0.8 | 22.5 |
|             |              |      |      |     |      | 31           | 10   | 19   | 0.8 | 27.5 |
| 2.2         | 31           | 12   | 21   | 0.8 | 27.5 | 31           | 12   | 21   | 0.8 | 27.5 |
| 3.3         | 31           | 15   | 24   | 0.8 | 27.5 | 31           | 15   | 24   | 0.8 | 27.5 |

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## ■ STANDARD SIZE

| VDC<br>Mfd  | 400 VDC (2G) |      |      |     |      | 630 VDC (2J) |      |      |     |      |
|-------------|--------------|------|------|-----|------|--------------|------|------|-----|------|
|             | L            | T    | H    | d   | P    | L            | T    | H    | d   | P    |
| 0.01        | 13           | 7    | 10   | 0.6 | 10   | 13           | 7    | 10   | 0.6 | 10   |
| 0.012~0.015 | 13           | 6    | 10   | 0.6 | 10   | 13           | 6    | 10   | 0.6 | 10   |
| 0.018~0.022 | 13           | 8    | 12   | 0.6 | 10   | 13           | 8    | 12   | 0.6 | 10   |
|             |              |      |      |     |      | 18           | 6    | 10   | 0.8 | 15   |
| 0.033~0.036 | 13           | 7    | 11   | 0.6 | 10   | 13           | 7    | 11   | 0.6 | 10   |
|             | 18           | 7    | 11   | 0.6 | 15   | 18           | 7    | 11   | 0.6 | 15   |
| 0.039       | 13           | 7    | 11   | 0.6 | 10   |              |      |      |     |      |
| 0.047       | 13           | 6.5  | 10   | 0.6 | 10   | 13           | 6.5  | 12   | 0.6 | 10   |
|             | 18           | 6.5  | 10   | 0.6 | 15   | 18           | 6    | 10   | 0.8 | 15   |
| 0.068       | 13           | 7    | 10   | 0.6 | 10   | 13           | 8    | 12.5 | 0.6 | 10   |
|             | 18           | 6    | 11   | 0.6 | 15   | 18           | 7    | 11   | 0.8 | 15   |
| 0.1         | 13           | 7    | 11   | 0.6 | 10   | 18           | 9.5  | 15   | 0.8 | 15   |
|             | 18           | 8    | 12   | 0.8 | 15   |              |      |      |     |      |
| 0.15        | 18           | 8    | 12   | 0.8 | 15   | 18           | 9    | 14   | 0.8 | 15   |
| 0.22        | 18           | 9    | 13.5 | 0.8 | 15   | 18           | 10   | 15   | 0.8 | 15   |
| 0.33~0.39   | 18           | 10.5 | 15   | 0.8 | 15   | 25           | 10   | 16   | 0.8 | 22.5 |
|             | 23           | 9    | 14   | 0.8 | 20   |              |      |      |     |      |
| 0.47        | 23           | 10   | 15   | 0.8 | 20   | 23           | 12   | 19   | 0.8 | 20   |
|             | 25           | 9.5  | 15   | 0.8 | 22.5 | 25           | 11   | 18   | 0.8 | 22.5 |
| 0.56        | 23           | 10.5 | 16   | 0.8 | 20   | 31           | 11   | 18   | 0.8 | 27.5 |
|             | 18           | 12.5 | 17.5 | 0.6 | 15   | 25           | 12.5 | 19   | 0.8 | 22.5 |
| 0.68        | 25           | 10   | 17   | 0.8 | 22.5 | 25           | 12.5 | 19.5 | 0.8 | 22.5 |
|             |              |      |      |     |      | 31           | 11   | 18.5 | 0.8 | 27.5 |
| 0.82        | 25           | 11   | 18   | 0.8 | 22.5 |              |      |      |     |      |
| 1.0         | 25           | 11   | 20   | 0.8 | 22.5 | 31           | 13   | 22   | 0.8 | 27.5 |
|             | 31           | 10   | 18   | 0.8 | 27.5 | 25           | 15.5 | 24   | 0.8 | 22.5 |
| 1.5         | 31           | 12   | 20   | 0.8 | 27.5 | 31           | 16.5 | 25   | 0.8 | 27.5 |
| 2           | 31           | 14.5 | 22.5 | 0.8 | 27.5 |              |      |      |     |      |
| 2.2         | 31           | 15   | 23   | 0.8 | 27.5 |              |      |      |     |      |
| 3.3         | 31           | 18   | 26.5 | 0.8 | 27.5 |              |      |      |     |      |

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