

# X2 Metallized Polypropylene Film Capacitor – JFZ

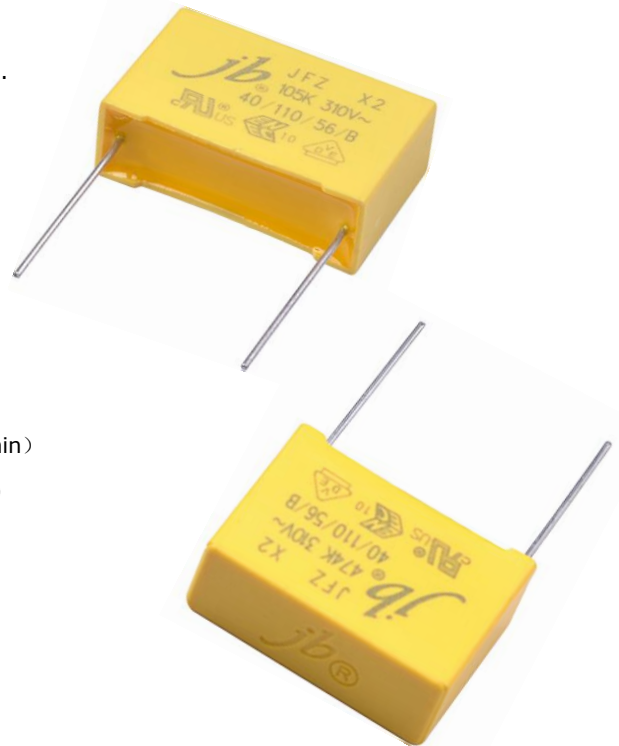
## Interference Suppression Capacitors (Class X2, 310VAC)

### FEATURES

- Non-inductive, (UL940V-0) plastic case sealed with epoxy resin.
- Provides interference suppression with VDE, ENEC and UL approvals.
- Used in across-the-line, interference suppression circuit

### SPECIFICATIONS

|                       |                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------|
| Operating Temperature | -40°C ~ +110°C                                                                                               |
| Voltage Rating        | 310VAC                                                                                                       |
| Capacitance Range     | 0.0047 ~ 2.2μF                                                                                               |
| Capacitance Tolerance | ±10% (K) standard,                                                                                           |
| Package               | Bulk, Ammo Tape Package                                                                                      |
| Insulation Resistance | CR≤0.33 μF, I.R≥15,000MΩ<br>CR>0.33 μF, I.R≥5,000S (20°C, 100V,1min)<br>0.0010μF≤CR≤0.47μF ≤0.1% (1KHz,20°C) |
| Dissipation Factor    | 0.47μF≤CR≤1.0μF ≤0.2% (1KHz,20°C)<br>1.0μF≤CR≤10μF≤0.3% (1KHz,20°C)                                          |
| Voltage Proof         | 4.3Ur DC /5s                                                                                                 |



### SAFETY APPROVALS:

|         | LOGO MARK                                                                           | COUNTRY      | APPROVAL STANDARD                      | APPROVAL NO. | CLASS | CAP. RANGE       | RATED VOLTAGE  |
|---------|-------------------------------------------------------------------------------------|--------------|----------------------------------------|--------------|-------|------------------|----------------|
| VDE     |  | GERMANY      | DIN EN 60384-14<br>(VDE 0565 Teil 1-1) | 40046768     | X2    | 0.0047 to 10.0μF | 310/305/275VAC |
| ENEC    |  | EUROPE       | EN 60384-14;<br>IEC 60384-14           | 40046768     | X2    | 0.0047 to 10.0μF | 310/305/275VAC |
| cUL, UL |  | CANADA/U.S.A | UL/IEC 60384-14                        | E344970      | X2    | 0.0047 to 10.0μF | 310/305/275VAC |

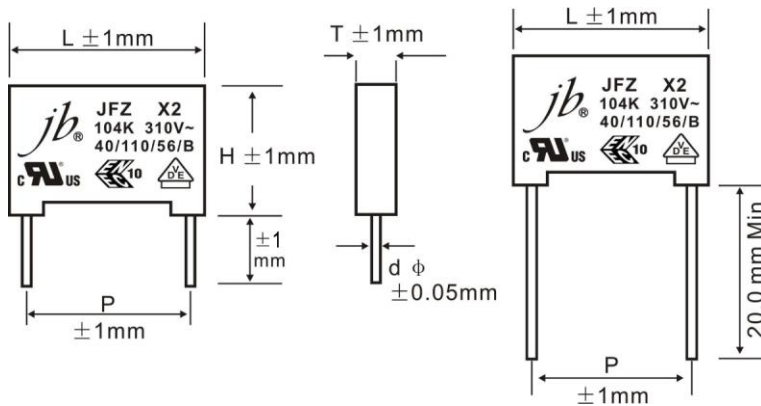
ENEC mark has replaced all the following European National marks:



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#### DRAWING:



#### Dimensions Table for 310V AC:

(Unit: mm)

| A type |       |       |       |       |          | Part# Bulk Package (Loose in Box) |
|--------|-------|-------|-------|-------|----------|-----------------------------------|
| CAP    | L±1.0 | T±1.0 | H±1.0 | P±1.0 | d Ø±0.05 | Standard leads 20mm Min           |
| 0.0047 | 13.0  | 4.0   | 9.0   | 10.0  | 0.6      | JFZ0A9472K100000B                 |
| 0.0056 | 13.0  | 4.0   | 9.0   | 10.0  | 0.6      | JFZ0A9562K100000B                 |
| 0.0068 | 13.0  | 4.0   | 9.0   | 10.0  | 0.6      | JFZ0A9682K100000B                 |
| 0.0082 | 13.0  | 4.0   | 9.0   | 10.0  | 0.6      | JFZ0A9822K100000B                 |
| 0.01   | 18.0  | 5.0   | 11.0  | 15.0  | 0.8      | JFZ0A9103K150000B                 |
| 0.012  | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9123K100000B                 |
| 0.015  | 13.0  | 4.0   | 9.0   | 10.0  | 0.6      | JFZ0A9153K100000B                 |
| 0.018  | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9183K100000B                 |
| 0.022  | 18.0  | 5.0   | 11.0  | 15.0  | 0.8      | JFZ0A9223K150000B                 |
| 0.027  | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9273K100000B                 |
| 0.033  | 18.0  | 5.0   | 11.0  | 15.0  | 0.8      | JFZ0A9333K150000B                 |
| 0.039  | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9393K100000B                 |
| 0.047  | 18.0  | 5.0   | 11.0  | 15.0  | 0.8      | JFZ0A9473K150000B                 |
| 0.056  | 18.0  | 5.0   | 11.0  | 15.0  | 0.8      | JFZ0A9563K150000B                 |
| 0.068  | 18.0  | 5.0   | 11.0  | 15.0  | 0.8      | JFZ0A9683K150000B                 |
| 0.082  | 18.0  | 5.0   | 11.0  | 15.0  | 0.8      | JFZ0A9823K150000B                 |
| 0.1    | 18.0  | 6.0   | 12.0  | 15.0  | 0.8      | JFZ0A9104K150000B                 |
| 0.12   | 18.0  | 6.0   | 12.0  | 15.0  | 0.8      | JFZ0A9124K150000B                 |
| 0.15   | 18.0  | 6.0   | 12.0  | 15.0  | 0.8      | JFZ0A9154K150000B                 |
| 0.15   | 26.5  | 6.0   | 15.0  | 22.5  | 0.8      | JFZ0A9154K225000B                 |

**\*Please contact us for special item or size not listed .**

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## Interference Suppression Capacitors (Class X2, 310VAC)

**Dimensions Table for 310V AC:**

(Unit: mm)

| A type |       |       |       |       |          | Part# Bulk Package (Loose in Box) |
|--------|-------|-------|-------|-------|----------|-----------------------------------|
| CAP    | L±1.0 | T±1.0 | H±1.0 | P±1.0 | d Ø±0.05 | Standard leads 20mm Min           |
| 0.22   | 26.5  | 7.0   | 16.5  | 22.5  | 0.8      | JFZ0A9224K225000B                 |
| 0.27   | 26.5  | 6.0   | 15.0  | 22.5  | 0.8      | JFZ0A9274K225000B                 |
| 0.33   | 26.5  | 8.5   | 17.0  | 22.5  | 0.8      | JFZ0A9334K225000B                 |
| 0.39   | 26.5  | 6.0   | 15.0  | 22.5  | 0.8      | JFZ0A9394K225000B                 |
| 0.47   | 26.5  | 10.0  | 19.0  | 22.5  | 0.8      | JFZ0A9474K225000B                 |
| 0.47   | 31.5  | 10.8  | 19.5  | 27.5  | 0.8      | JFZ0A9474K275000B                 |
| 0.56   | 31.5  | 10.8  | 19.5  | 27.5  | 0.8      | JFZ0A9564K275000B                 |
| 0.68   | 31.5  | 10.8  | 19.5  | 27.5  | 0.8      | JFZ0A9684K275000B                 |
| 0.82   | 31.5  | 10.8  | 19.5  | 27.5  | 0.8      | JFZ0A9824K275000B                 |
| 1.0    | 31.5  | 10.8  | 19.5  | 27.5  | 0.8      | JFZ0A9105K275000B                 |
| 1.5    | 31.5  | 10.8  | 19.5  | 27.5  | 0.8      | JFZ0A9155K275000B                 |
| 2.2    | 31    | 14    | 25.0  | 27.5  | 0.8      | JFZ0A9225K275000B                 |
| B type |       |       |       |       |          |                                   |
| 0.01   | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9103K100000B                 |
| 0.022  | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9223K100000B                 |
| 0.033  | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9333K100000B                 |
| 0.047  | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9473K100000B                 |
| 0.056  | 13.0  | 5.0   | 11.0  | 10.0  | 0.6      | JFZ0A9563K100000B                 |
| 0.068  | 13.0  | 6.0   | 12.0  | 10.0  | 0.6      | JFZ0A9683K100000B                 |
| 0.082  | 13.0  | 6.0   | 12.0  | 10.0  | 0.6      | JFZ0A9823K100000B                 |
| 0.1    | 13.0  | 6.0   | 12.0  | 10.0  | 0.6      | JFZ0A9104K100000B                 |
| 0.15   | 13.0  | 8.0   | 14.0  | 10.0  | 0.6      | JFZ0A9154K100000B                 |
| 0.18   | 18.0  | 8.5   | 14.5  | 15.0  | 0.8      | JFZ0A9184K150000B                 |
| 0.22   | 18.0  | 8.5   | 14.5  | 15.0  | 0.8      | JFZ0A9224K150000B                 |
| 0.27   | 18.0  | 7.5   | 13.5  | 15.0  | 0.8      | JFZ0A9274K150000B                 |
| 0.33   | 18.0  | 9.5   | 15.5  | 15.0  | 0.8      | JFZ0A9334K150000B                 |
| 0.47   | 18.0  | 10.0  | 16.0  | 15.0  | 0.8      | JFZ0A9474K150000B                 |
| 0.56   | 26.5  | 10.0  | 19.0  | 22.5  | 0.8      | JFZ0A9564K225000B                 |
| 0.68   | 18.0  | 11.0  | 19.0  | 15.0  | 0.8      | JFZ0A9684K150000B                 |
| 0.68   | 26.5  | 10.0  | 19.0  | 22.5  | 0.8      | JFZ0A9684K225000B                 |
| 1.0    | 26.5  | 10.0  | 19.0  | 22.5  | 0.8      | JFZ0A9105K225000B                 |

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