

Metallized Polypropylene Film Interference Suppression Capacitor – JFWT

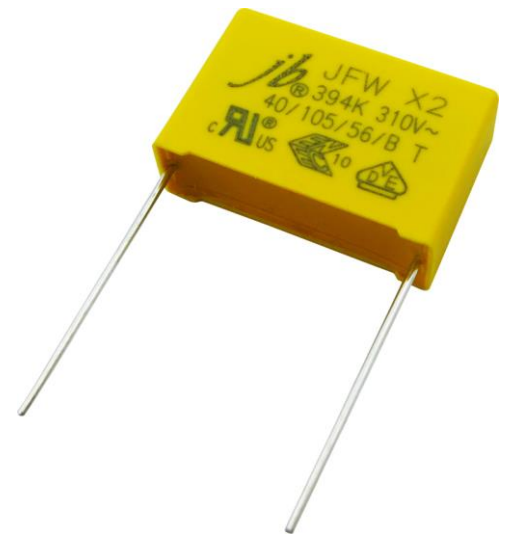
(85 °C / 85 % RH Class X2, Temperature Humidity Bias (THB) Series)

FEATURES

- Metallized polypropylene film, non-inductive wound construction.
- Good self-healing properties, withstanding surge voltage stressing
- High stability of capacitance under severe ambient condition, such as high temperature and high humidity.
- Excellent active and passive flame resistant abilities
- Provides interference suppression with VDE, ENEC and UL approvals.

SPECIFICATIONS

| | |
|-----------------------|--|
| Operating Temperature | -40°C ~ +105°C |
| Voltage Rating | 310VAC |
| Capacitance Range | 0.0047 ~ 10.0μF |
| Capacitance Tolerance | ±10% (K) standard, |
| Package | Bulk, Ammo Tape Package |
| Insulation Resistance | CR ≤ 0.33 μF, I.R ≥ 15,000MΩ CR > 0.33 μF, I.R ≥ 5,000S (20°C, 100V, 1min) |
| Dissipation Factor | 0.0047μF ≤ CR ≤ 0.47μF ≤ 0.1% (1KHz, 20°C) 0.47μF ≤ CR ≤ 1.0μF ≤ 0.2% (1KHz, 20°C) 1.0μF ≤ CR ≤ 10μF ≤ 0.3% (1KHz, 20°C) |
| Voltage Proof | 4.3Ur DC / 5s |



Temperature Humidity Bias (THB) HUMIDITY TEST

| | |
|--------------------|--|
| Test Conditions | Temperature: 85°C ± 2°C; Humidity: 85% ± 2% Loading Voltage: 240Vac (50Hz/60Hz) Duration: 1000 Hours |
| Capacitance Change | ≤ 10% of initially measured value |
| Dissipation Factor | ≤ 2.5% at 1KHz |

APPLICATIONS

Across-the-line EMI filtering and connection in series with the mains for high stability grade applications in severe ambient conditions
For capacitive divider power supply. Such as power meter, LED driver, and other severe ambient condition applications.

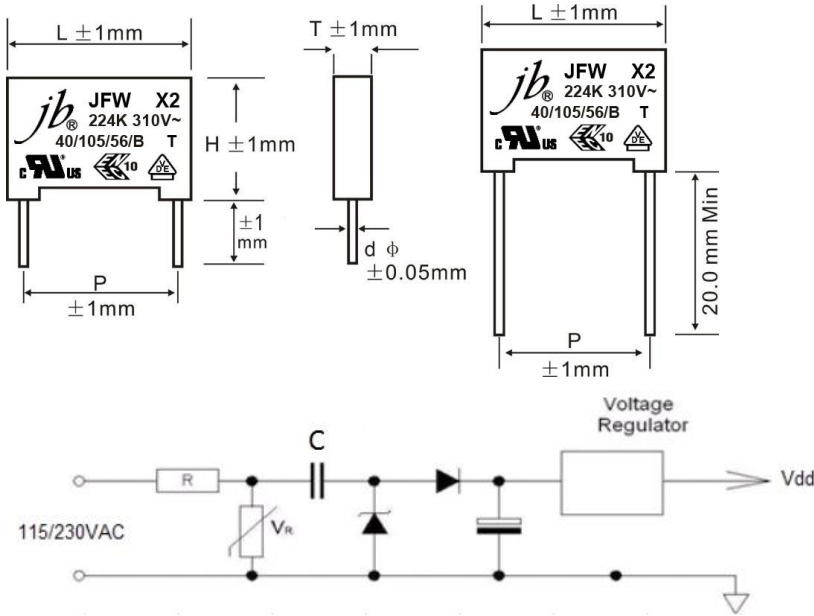
SAFETY APPROVALS:

| | LOGO MARK | COUNTRY | APPROVAL STANDARD | APPROVAL NO. | CLASS | CAP. RANGE | RATED VOLTAGE |
|------------|-----------|--------------|--|--------------|-------|---------------------|----------------|
| VDE | | GERMANY | DIN EN 60384-14 (VDE 0565 Teil 1-1) | 40046768 | X2 | 0.0047 to 10.0μF | 310/305/275VAC |
| ENEC | | EUROPE | EN 60384-14; 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 |

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DRAWING:



Dimensions Table for 310V AC:

(Unit: mm)

| CAP | L±1.0 | T±1.0 | H±1.0 | P±1.0 | d Ø±0.05 | Part# Bulk Package (Loose in Box) |
|------|-------|-------|-------|-------|----------|-----------------------------------|
| | | | | | | standard leads 20mm(+/-1) |
| 0.1 | 18 | 6 | 12 | 15 | 0.8 | JFWTA9104K150000B |
| 0.22 | 18 | 6 | 12 | 15 | 0.8 | JFWTA9224K150000B |
| 0.22 | 18 | 7.5 | 13.5 | 15 | 0.8 | JFWTA9224K150000B01 |
| 0.22 | 18 | 8.5 | 14.5 | 15 | 0.8 | JFWTA9224K150000B02 |
| 0.33 | 18 | 7.5 | 13.5 | 15 | 0.8 | JFWTA9334K150000B |
| 0.33 | 18 | 8.5 | 14.5 | 15 | 0.8 | JFWTA9334K150000B01 |
| 0.33 | 18 | 10 | 16 | 15 | 0.8 | JFWTA9334K150000B02 |
| 0.33 | 26.5 | 6 | 15 | 22.5 | 0.8 | JFWTA9334K225000B |
| 0.33 | 26.5 | 7 | 16.5 | 22.5 | 0.8 | JFWTA9104K150000B01 |
| 0.33 | 26.5 | 8.5 | 17 | 22.5 | 0.8 | JFWTA9104K150000B02 |
| 0.39 | 18 | 8.5 | 14.5 | 15 | 0.8 | JFWTA9394K150000B |
| 0.39 | 18 | 10 | 16 | 15 | 0.8 | JFWTA9394K150000B01 |
| 0.39 | 26.5 | 6 | 15 | 22.5 | 0.8 | JFWTA9394K225000B |
| 0.39 | 26.5 | 7 | 16.5 | 22.5 | 0.8 | JFWTA9394K225000B01 |
| 0.39 | 26.5 | 8.5 | 17 | 22.5 | 0.8 | JFWTA9394K225000B02 |
| 0.47 | 18 | 7.5 | 13.5 | 15 | 0.8 | JFWTA9474K150000B01 |
| 0.47 | 18 | 8.5 | 14.5 | 15 | 0.8 | JFWTA9474K150000B |
| 0.47 | 18 | 10 | 16 | 15 | 0.8 | JFWTA9474K150000B02 |
| 0.47 | 26.5 | 6 | 15 | 22.5 | 0.8 | JFWTA9474K225000B |
| 0.47 | 26.5 | 7 | 16.5 | 22.5 | 0.8 | JFWTA9474K225000B01 |
| 0.47 | 26.5 | 8.5 | 17 | 22.5 | 0.8 | JFWTA9474K225000B02 |
| 0.47 | 26.5 | 10 | 19 | 22.5 | 0.8 | JFWTA9474K225000B03 |

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

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