

# X2 Metallized Polypropylene Film Capacitor – JFW

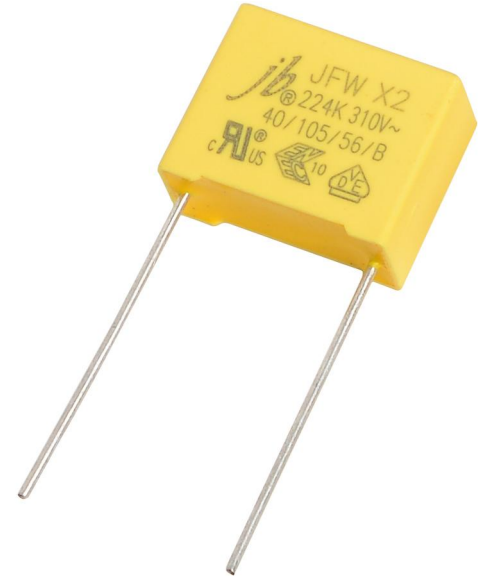
Interference Suppression Capacitors (Class X2, 310VAC)

## 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 ~ +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	0.0010μF≤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



## 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

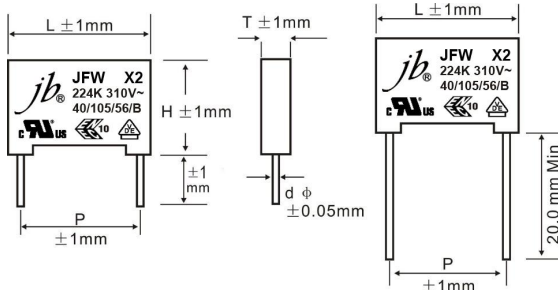
**ENEC mark has replaced all the following European National marks:**



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Interference Suppression Capacitors (Class X2, 310VAC)

DRAWING:



Dimensions Table for 310V AC:

(Unit: mm)

CAP	L±1.0	H±1.0	T±1.0	P±1.0	d ∅±0.05	Part# Bulk Package (Loose in Box)
						Standard leads 20mm Min
0.0047	13	9	4	10	0.6	JFW0A9472K100000B
0.0047	13	11	5	10	0.6	JFW0A9472K100000B01 *
0.0056	13	9	4	10	0.6	JFW0A9562K100000B
0.0056	13	11	5	10	0.6	JFW0A9562K100000B01 *
0.0068	13	9	4	10	0.6	JFW0A9682K100000B
0.0068	13	11	5	10	0.6	JFW0A9682K100000B01 *
0.0082	13	9	4	10	0.6	JFW0A9822K100000B
0.0082	13	11	5	10	0.6	JFW0A9822K100000B01 *
0.01	13	9	4	10	0.6	JFW0A9103K100000B01
0.01	13	11	5	10	0.6	JFW0A9103K100000B *
0.01	18	11	5	15	0.8	JFW0A9103K150000B *
0.012	13	9	4	10	0.6	JFW0A9123K100000B01
0.012	13	11	5	10	0.6	JFW0A9123K100000B *
0.012	18	11	5	15	0.8	JFW0A9123K150000B *
0.015	13	9	4	10	0.6	JFW0A9153K100000B01
0.015	13	11	5	10	0.6	JFW0A9153K100000B *
0.015	18	11	5	15	0.8	JFW0A9153K150000B *
0.018	13	9	4	10	0.6	JFW0A9183K100000B01
0.018	13	11	5	10	0.6	JFW0A9183K100000B *
0.018	18	11	5	15	0.8	JFW0A9183K150000B *
0.02	13	9	4	10	0.6	JFW0A9203K100000B01
0.02	13	11	5	10	0.6	JFW0A9203K100000B *
0.02	18	11	5	15	0.8	JFW0A9203K150000B *
0.022	13	9	4	10	0.6	JFW0A9223K100000B01
0.022	13	11	5	10	0.6	JFW0A9223K100000B *
0.022	18	11	5	15	0.8	JFW0A9223K150000B *
0.027	13	9	4	10	0.6	JFW0A9273K100000B01
0.027	13	11	5	10	0.6	JFW0A9273K100000B *
0.027	18	11	5	15	0.8	JFW0A9273K150000B *
0.033	13	9	4	10	0.6	JFW0A9333K100000B01
0.033	13	11	5	10	0.6	JFW0A9333K100000B *
0.033	18	11	5	15	0.8	JFW0A9333K150000B *
0.033	18	12	6	15	0.8	JFW0A9333K150000B01
0.039	13	11	5	10	0.6	JFW0A9393K100000B
0.039	13	12	6	10	0.6	JFW0A9393K100000B01 *
0.039	18	11	5	15	0.8	JFW0A9393K150000B *
0.047	13	11	5	10	0.6	JFW0A9473K100000B
0.047	13	12	6	10	0.6	JFW0A9473K100000B01 *
0.047	18	11	5	15	0.8	JFW0A9473K150000B *
0.056	13	11	5	10	0.6	JFW0A9563K100000B01
0.056	13	12	6	10	0.6	JFW0A9563K100000B
0.056	13	13	7	10	0.6	JFW0A9563K100000B02
0.056	13	15	8	10	0.6	JFW0A9563K100000B03
0.056	18	11	5	15	0.8	JFW0A9563K150000B *
0.068	12	11	5	10	0.6	JFW0A9683K100000B01

Remark: " \*" stands for common size.

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## X2 Metallized Polypropylene Film Capacitor – JFW

Interference Suppression Capacitors (Class X2, 310VAC)

Dimensions Table for 310V AC:

(Unit: mm)

						Part# Bulk Package (Loose in Box)	
CAP	L±1.0	H±1.0	T±1.0	P±1.0	d Ø±0.05	Standard leads 20mm Min	
0.068	13	12	6	10	0.6	JFW0A9683K100000B	*
0.068	13	15	8	10	0.6	JFW0A9683K100000B02	
0.068	18	11	5	15	0.8	JFW0A9683K150000B	*
0.082	12	11	5	10	0.6	JFW0A9823K100000B01	
0.082	13	12	6	10	0.6	JFW0A9823K100000B	*
0.082	13	13	7	10	0.6	JFW0A9823K100000B02	
0.082	13	15	8	10	0.6	JFW0A9823K100000B03	
0.082	18	11	5	15	0.8	JFW0A9823K150000B	*
0.1	13	11	5	10	0.6	JFW0A9104K100000B01	*
0.1	13	12	6	10	0.6	JFW0A9104K100000B	
0.1	13	13	7	10	0.6	JFW0A9104K100000B02	
0.1	13	15	8	10	0.6	JFW0A9104K100000B03	
0.1	18	11	5	15	0.8	JFW0A9104K150000B01	*
0.1	18	12	6	15	0.8	JFW0A9104K150000B	
0.1	18	13.5	7.5	15	0.8	JFW0A9104K150000B02	
0.1	18	14.5	8.5	15	0.8	JFW0A9104K150000B03	
0.1	26.5	15	6	22.5	0.8	JFW0A9104K225000B	*
0.12	13	12	6	10	0.6	JFW0A9124K100000B01	*
0.12	13	13	7	10	0.6	JFW0A9124K100000B	
0.12	18	12	6	15	0.8	JFW0A9124K150000B	*
0.13	18	12	6	15	0.8	JFW0A9134K150000B	*
0.14	18	12	6	15	0.8	JFW0A9144K150000B	*
0.15	13	12	6	10	0.6	JFW0A9154K100000B	*
0.15	13	13	7	10	0.6	JFW0A9154K100000B01	
0.15	13	14	8	10	0.6	JFW0A9154K100000B02	
0.15	18	12	6	15	0.8	JFW0A9154K150000B	*
0.15	18	13.5	7.5	15	0.8	JFW0A9154K150000B02	
0.15	18	14.5	8.5	15	0.8	JFW0A9154K150000B01	
0.15	26.5	15	6	22.5	0.8	JFW0A9154K225000B	*
0.15	26.5	16.5	7	22.5	0.8	JFW0A9154K225000B01	
0.18	13	13	7	10	0.6	JFW0A9184K100000B	*
0.18	13	14	8	10	0.6	JFW0A9184K100000B01	
0.18	13	16.5	9	10	0.6	JFW0A9184K100000B02	
0.18	18	12	6	15	0.8	JFW0A9184K150000B01	*
0.18	18	13.5	7.5	15	0.8	JFW0A9184K150000B	
0.18	18	14.5	8.5	15	0.8	JFW0A9184K150000B02	
0.18	18	15.5	9.5	15	0.8	JFW0A9184K150000B03	
0.18	26.5	15	6	22.5	0.8	JFW0A9184K225000B	*
0.2	18	14.5	8.5	15	0.8	JFW0A9204K150000B	*
0.2	18	15.5	9.5	15	0.8	JFW0A9204K150000B01	
0.2	26.5	15	6	22.5	0.8	JFW0A9204K225000B	*
0.2	26.5	16.5	7	22.5	0.8	JFW0A9204K225000B01	
0.22	13	12	6	10	0.6	JFW0A9224K100000B	*
0.22	13	14	8	10	0.6	JFW0A9224K100000B01	

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## X2 Metallized Polypropylene Film Capacitor – JFW

Interference Suppression Capacitors (Class X2, 310VAC)

Dimensions Table for 310V AC:

(Unit: mm)

						Part# Bulk Package (Loose in Box)
CAP	L±1.0	H±1.0	T±1.0	P±1.0	d Ø±0.05	Standard leads 20mm Min
0.22	13	15	8	10	0.6	JFW0A9224K100000B02
0.22	13	16.5	9	10	0.6	JFW0A9224K100000B03
0.22	18	12	6	15	0.8	JFW0A9224K150000B
0.22	18	13	7	15	0.8	JFW0A9224K150000B01
0.22	18	13.5	7.5	15	0.8	JFW0A9224K150000B02
0.22	18	14.5	8.5	15	0.8	JFW0A9224K150000B03
0.22	18	15.5	9.5	15	0.8	JFW0A9224K150000B04
0.22	26.5	15	6	22.5	0.8	JFW0A9224K225000B
0.22	26.5	16.5	7	22.5	0.8	JFW0A9224K225000B01
0.27	18	13.5	7.5	15	0.8	JFW0A9274K150000B01
0.27	18	14.5	8.5	15	0.8	JFW0A9274K150000B
0.27	18	16	10	15	0.8	JFW0A9274K150000B02
0.27	26.5	15	6	22.5	0.8	JFW0A9274K225000B01
0.27	26.5	16.5	7	22.5	0.8	JFW0A9274K225000B
0.33	18	12	6	15	0.8	JFW0A9334K150000B01
0.33	18	13.5	7.5	15	0.8	JFW0A9334K150000B02
0.33	18	14.5	8.5	15	0.8	JFW0A9334K150000B
0.33	18	15.5	9.5	15	0.8	JFW0A9334K150000B03
0.33	18	16	10	15	0.8	JFW0A9334K150000B04
0.33	26.5	15	6	22.5	0.8	JFW0A9334K225000B01
0.33	26.5	16.5	7	22.5	0.8	JFW0A9334K225000B
0.33	26.5	17	8.5	22.5	0.8	JFW0A9334K225000B02
0.39	18	14.5	8.5	15	0.8	JFW0A9394K150000B01
0.39	18	15.5	9.5	15	0.8	JFW0A9394K150000B03
0.39	18	16	10	15	0.8	JFW0A9394K150000B04
0.39	18	16.5	8.4	15	0.8	JFW0A9394K150000B02
0.39	18	19	11	15	0.8	JFW0A9394K150000B
0.39	26.5	15	6	22.5	0.8	JFW0A9394K225000B01
0.39	26.5	16.5	7	22.5	0.8	JFW0A9394K225000B02
0.39	26.5	17	8.5	22.5	0.8	JFW0A9394K225000B
0.41	26.5	17	8.5	22.5	0.8	JFW0A9414K225000B
0.47	18	13.5	7.5	15	0.8	JFW0A9474K150000B02
0.47	18	14.5	8.5	15	0.8	JFW0A9474K150000B03
0.47	18	15.5	9.5	15	0.8	JFW0A9474K150000B
0.47	18	16	10	15	0.8	JFW0A9474K150000B01
0.47	18	19	11	15	0.8	JFW0A9474K150000B04
0.47	26	21.5	12	22.5	0.8	JFW0A9474K225000B04
0.47	26.5	15	6	22.5	0.8	JFW0A9474K225000B02
0.47	26.5	16.5	7	22.5	0.8	JFW0A9474K225000B01
0.47	26.5	17	8.5	22.5	0.8	JFW0A9474K225000B
0.47	26.5	19	10	22.5	0.8	JFW0A9474K225000B03
0.47	31.5	19.5	10.8	27.5	0.8	JFW0A9474K275000B
0.56	18	16	10	15	0.8	JFW0A9564K150000B
0.56	18	19	11	15	0.8	JFW0A9564K150000B01
0.56	26.5	16.5	7	22.5	0.8	JFW0A9564K225000B01
0.56	26.5	17	8.5	22.5	0.8	JFW0A9564K225000B02

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## X2 Metallized Polypropylene Film Capacitor – JFW

Interference Suppression Capacitors (Class X2, 310VAC)

Dimensions Table for 310V AC:

(Unit: mm)

Part# Bulk Package (Loose in Box)						
CAP	L±1.0	H±1.0	T±1.0	P±1.0	d Ø±0.05	Standard leads 20mm Min
0.56	26.5	19	10	22.5	0.8	JFW0A9564K225000B
0.56	31.5	19.5	10.8	27.5	0.8	JFW0A9564K275000B
0.68	18	19	11	15	0.8	JFW0A9684K150000B
0.68	26.5	17	8.5	22.5	0.8	JFW0A9684K225000B01
0.68	26.5	19	10	22.5	0.8	JFW0A9684K225000B
0.68	31	25	14	27.5	0.8	JFW0A9684K275000B01
0.68	31.5	19.5	10.8	27.5	0.8	JFW0A9684K275000B
0.82	26	21.5	12	22.5	0.8	JFW0A9824K225000B
0.82	26.5	19	10	22.5	0.8	JFW0A9824K225000B01
0.82	31.5	19.5	10.8	27.5	0.8	JFW0A9824K275000B
1.0	26	20	11	22.5	0.8	JFW0A9105K225000B02
1.0	26	21.5	12	22.5	0.8	JFW0A9105K225000B
1.0	26.5	19	10	22.5	0.8	JFW0A9105K225000B01
1.0	31.5	19.5	10.8	27.5	0.8	JFW0A9105K275000B
1.0	31.5	21.6	13	27.5	0.8	JFW0A9105K275000B01
1.2	26	20	11	22.5	0.8	JFW0A9125K225000B01
1.2	26	21.5	12	22.5	0.8	JFW0A9125K225000B02
1.2	26.5	19	10	22.5	0.8	JFW0A9125K225000B
1.2	31.5	19.5	10.8	27.5	0.8	JFW0A9125K275000B01
1.2	31.5	21.6	13	27.5	0.8	JFW0A9125K275000B
1.5	26	21.5	12	22.5	0.8	JFW0A9155K225000B
1.5	31	25	14	27.5	0.8	JFW0A9155K275000B02
1.5	31.5	19.5	10.8	27.5	0.8	JFW0A9155K275000B01
1.5	31.5	21.6	13	27.5	0.8	JFW0A9155K275000B
1.8	31	25	14	27.5	0.8	JFW0A9185K275000B
1.8	31.5	21.6	13	27.5	0.8	JFW0A9185K275000B01
2.2	31	25	14	27.5	0.8	JFW0A9225K275000B
2.2	32	25.5	16	27.5	0.8	JFW0A9225K275000B01
2.2	32	28	18	27.5	0.8	JFW0A9225K275000B02
2.2	42	28	14	37.5	0.8	JFW0A9225K375000B
2.7	31	25	14	27.5	0.8	JFW0A9275K275000B01
2.7	32	25.5	16	27.5	0.8	JFW0A9275K275000B02
2.7	32	28	18	27.5	0.8	JFW0A9275K275000B
2.7	42	28	14	37.5	0.8	JFW0A9275K375000B
2.8	32	25.5	16	27.5	0.8	JFW0A9285K275000B
3.3	32	28	18	27.5	0.8	JFW0A9335K275000B
3.3	41	32	17	37.5	0.8	JFW0A9335K375000B
3.9	41	32	17	37.5	0.8	JFW0A9395K375000B
4.7	32	37	22	27.5	0.8	JFW0A9475K275000B
4.7	41	33.5	18.5	37.5	0.8	JFW0A9475K375000B
5.6	41	37	22	37.5	0.8	JFW0A9565K375000B
6.8	41	37	22	37.5	0.8	JFW0A9685K375000B
8.2	41	41	26	37.5	0.8	JFW0A9825K375000B
10.0	41	43	28	37.5	0.8	JFW0A9106K375000B

Remark: \* \*\* stands for common size.

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