Kingtronics®

FKT-MXT

METALLIZED POLYPROPYLENE FILM CAPACITOR – X2

Metallized Polypropylene Film Interference Suppression Capacitor (Class X2, Temperature Humidity Bias (THB) Series)

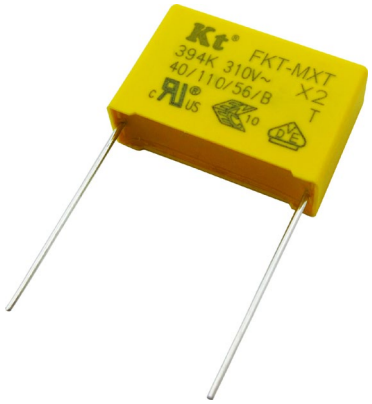
FEATURES

- High stability of capacitance under severe ambient condition, such as high temperature and high humidity.
- Good self-healing properties, withstanding surge voltage stressing.
- Excellent active and passive flame resistant abilities.

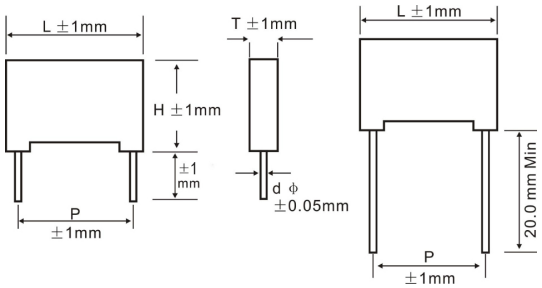
APPLICATION

- 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 sever ambient condition applications

SPECIFICATIONS	
VOLTAGE RATING	310 VAC
CAPACITANCE RANGE	0.0047 to 10μF
CAPACITANCE TOLERANCE	±10% std.
OPERATING TEMPERATURE	-40℃ to +110℃
VOLTAGE PROOF	Between Terminal 4.3UR DC /60s
DISSIPATION FACTOR	0.0047μF ≤ CR ≤ 0.47μF ≤ 0.1% (1KHz,20℃)
	0.47μF ≤ CR ≤ 1.0μF ≤ 0.2% (1KHz,20℃)
	1.0μF ≤ CR ≤ 10μF ≤ 0.3% (1KHz,20℃)
INSULATION RESISTANCE	CR ≤ 0.33 μF, I.R ≥ 15,000MΩ
	CR > 0.33 μF, I.R ≥ 5,000S(20℃,100V,1min)
Temperature Humidity Bias (THB)	
HUMIDITY TEST	Temperature: 85°C ± 2°C; Humidity: 85% ± 2%
	Loading Voltage: 240Vac (50Hz/60Hz)
	Duration: 500 Hours
CAPACITANCE CHANGE	≤10% of initially measured value
DISSIPATION FACTOR	≤2.5% at 1KHz



	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
cUL/ UL	CANADA / U.S.A	UL/IEC 60384-14	FOWX2/8.E533180	X2	0.0047 to 10μF	310/305/275VAC
VDE	GERMANY	DIN EN 60384-14 (VDE 0565 Teil 1-1)	40056691	X2	0.0047 to 10μF	310/305/275VAC
ENEC	EUROPE	EN 60384-14; IEC 60384-14	40056691	X2	0.0047 to 10μF	310/305/275VAC



Dimensions Table for 310V AC: (Unit : mm)

CAP	L±1.0	T±1.0	H±1.0	P±1.0	d Ø±0.05	CAP	L±1.0	T±1.0	H±1.0	P±1.0	d Ø±0.05
0.1	18	6	12	15	0.8	0.39	18	10	16	15	0.8
0.22	18	6	12	15	0.8	0.39	26.5	6	15	22.5	0.8
0.22	18	7.5	13.5	15	0.8	0.39	26.5	7	16.5	22.5	0.8
0.22	18	8.5	14.5	15	0.8	0.39	26.5	8.5	17	22.5	0.8
0.33	18	7.5	13.5	15	0.8	0.47	18	7.5	13.5	15	0.8
0.33	18	8.5	14.5	15	0.8	0.47	18	8.5	14.5	15	0.8
0.33	18	10	16	15	0.8	0.47	18	10	16	15	0.8
0.33	26.5	6	15	22.5	0.8	0.47	26.5	6	15	22.5	0.8
0.33	26.5	7	16.5	22.5	0.8	0.47	26.5	7	16.5	22.5	0.8
0.33	26.5	8.5	17	22.5	0.8	0.47	26.5	8.5	17	22.5	0.8
0.39	18	8.5	14.5	15	0.8	0.47	26.5	10	19	22.5	0.8

Please contact us for special item or size not listed

Kingtronics®

FKT-MXT

METALLIZED POLYPROPYLENE FILM CAPACITOR – X2

Metallized Polypropylene Film Interference Suppression Capacitor (Class X2, Temperature Humidity Bias (THB) Series)

HOW TO ORDER

FKT	MXT	Q3	103	K	100	000	B	R
Series	Sub Series	Voltage	Capacitance	Capacitance Tolerance	Pitch	Lead Length	Packing	Pb
		1.	2.	3.	4.	5.	6.	7.

NOTE:

1. Voltage

Code	1H	1J	2A	2C	2D	2E	2G	2J	3A	3C	3D	3F
Voltage	50V	63V	100V	160V	200V	250V	400V	630V	1000V	1600V	2000V	3000V
Code	E2	P2	Q1	Q2	Q3	G2						
Voltage	250 VAC	275 VAC	300 VAC	305 VAC	310 VAC	400 VAC						

2. Capacitance

Code	102	103	104	105	106	222	223	224	225
Capacitance	1000pF	0.01μF	0.1μF	1μF	10μF	2200pF	0.022μF	0.22μF	2.2μF
Code	332	333	334	472	473	474	682	683	684
Capacitance	3300pF	0.033μF	0.33μF	4700pF	0.047μF	0.47μF	6800pF	0.068μF	0.68μF

3. Capacitance Tolerance

Code	J	K	M
Tolerance	±5%	±10%	±20%

4. Pitch

Code	035	040	050	075	100	150	200	225	275
Pitch (mm)	3.5	4.0	5.0	7.5	10.0	15.0	20.0	22.5	27.5

5. Lead Length

Code	000	035	040	045	050
Lead Length	Standard	3.5	4.0	4.5	5.0

6. Packing

Code	A	B
Packing	Ammo	Bulk

7. Pb

Code	R
Pb	RoHS

Note: Specifications are subject to change without notice.

Kingtronics® International Company

Website: www.kingtronics.com Email: info@kingtronics.com Tel: (852) 8106 7033 Fax: (852) 8106 7099