

Kingtronics® Kt® International Company

ISO 9001:2015
Manufacturer Since 1990

FILM CAPACITORS

X2 - (310VAC) Metallized Polypropylene Film Capacitors, Metallized Polyester Film Capacitors, Power Film Capacitors, DC-Link Capacitors & AC-Link Capacitors, Motor Capacitors.



FKT-MB
Metallized Polyester

FKT-MF
MPP Film Capacitors



FKT-MX (X2 - 310 VAC)
MPP Film Capacitors



FKT-MC
Metallized Polyester

FKT-ME
MPP Film Capacitors



(Mini Size) FKT-MD
Metallized Polyester

FKT-MH (High Voltage)
MPP Film Capacitors



FKT-MP - Mylar Polyester
Film Capacitors

FKT-CBB60
Motor Capacitors
(FKT-10-21)



Film Capacitors Application

Kt® Film Capacitors

Kingtronics new produce line for Film Capacitors, including several of Film Capacitor, Metallized Polyester Film Capacitor, X2 Metallized Polypropylene Film Capacitor (310VAC), Power Film Capacitor, DC-Link Capacitor, AC-Link Capacitor. Fixed capacitor for electromagnetic interference suppression and connection to the supply mains.



X2 Metallized Polypropylene Film Capacitors - FKT-MX
(Obtaining certification recognition from VDE , ENEC and UL institutions)

1. Operation Temperature: -40°C ~ +110°C
2. Rated Voltage: 310 V AC
3. Capacitance Range: 0.0047uF ~ 10uF
4. Capacitance Tolerance: ±10% std.
5. Dissipation Factor: $0.0010\mu F \leq C_x \leq 0.47\mu F \leq 0.1\%$ (1KHz, 20°C)
 $0.47\mu F \leq C_x \leq 1.0\mu F \leq 0.2\%$ (1KHz, 20°C)
 $1.0\mu F \leq C_x \leq 10\mu F \leq 0.3\%$ (1KHz, 20°C)
6. Insulation Resistance: $C_x \leq 0.33\mu F$, I.R $\geq 15,000M\Omega$
 $C_x > 0.33\mu F$, I.R $\geq 5,000S$ (20°C, 100V, 1min)



Box Type Metallized Polyester Film Capacitors
FKT-MB - High reliability

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 63V, 100V, 160V, 250V, 400V, 630V
3. Capacitance Range: 0.0010uF ~ 2.2uF
4. Capacitance Tolerance: ±5%(J), ±10%(K), 20%(M)



Box Type Metallized Polypropylene Film Capacitors
FKT-MF

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 250, 400, 630VDC
3. Capacitance Range: 0.0047uF ~ 3.9uF
4. Capacitance Tolerance: ±5%, ±10%



X2 Metallized Polypropylene Film Capacitors
FKT-MZX

1. Operation Temperature: -40°C ~ +110°C
2. Rated Voltage: 310 V AC
3. Capacitance Range: 0.0022uF ~ 2.2uF
4. Capacitance Tolerance: ±10% std.



X2 Metallized Polypropylene Film Capacitors
FKT-MXT

1. Operation Temperature: -40°C ~ +110°C
2. Rated Voltage: 310 V AC
3. Capacitance Range: 0.0047uF ~ 10uF
4. Capacitance Tolerance: ±10% std.



Metallized Polyester Film Capacitors
FKT-MC

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 100, 250, 400, 630 VDC
3. Capacitance Range: 0.01uF ~ 6.8uF
4. Capacitance Tolerance: ±5%, ±10%, ±20%



High Voltage Metallized Polypropylene Film Capacitors
FKT-MG

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 1000, 1250, 1500, 1600, 2000 VDC
3. Capacitance Range: 0.001 ~ 0.15Mfd
4. Capacitance Tolerance: ±5%, ±10%



Metallized Polypropylene Film A.C. Capacitors
FKT-MV - Capacitive Divider

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 160, 230, 250, 275, 300 VAC
3. Capacitance Range: 0.01uF ~ 4.7uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



Metallized Polypropylene Film Capacitors
FKT-ME

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 100, 250, 400, 630 VDC
3. Capacitance Range: 0.01 ~ 8.2Mfd
4. Capacitance Tolerance: ±5%, ±10%, ±20%



Mini Size Metallized Polyester Film Capacitors
FKT-MD

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 50, 63, 100, 250, 400, 630VDC
3. Capacitance Range: 0.001uF ~ 3.3uF
4. Capacitance Tolerance: ±5%



Metallized Polyester Film Capacitors-AC-MFA
FKT-MA

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 250 VAC
3. Capacitance Range: 0.01 ~ 1.5Mfd
4. Capacitance Tolerance: ±5%, ±10%, ±20%



Box Type Metallized Polypropylene Film Capacitors
FKT-MH - High Voltage

1. Operation Temperature: -40°C ~ +105°C
2. Rated Voltage: 1000, 1400, 1600, 2000 VDC
3. Capacitance Range: 0.00022uF ~ 0.22uF
4. Capacitance Tolerance: ±2% (G), ±3% (E), ±5% (J), ±10% (K), ±20% (M)



Box Type Met Polypropylene Film Capacitors
FKT-MJ - Double Sided

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 630, 1600, 2000 VDC
3. Capacitance Range: 0.001uF ~ 0.068uF 1KHz 1V
4. Capacitance Tolerance: ±5% (J), ±10% (K)



Metallized Polypropylene Film AC Capacitors
FKT-MW Class-XI

1. Operation Temperature: -55°C ~ +105°C
2. Rated Voltage: 300, 440 V AC
3. Capacitance Range: 0.0022uF ~ 4.7uF
4. Capacitance Tolerance: ±10%



Y2 Metallized Polypropylene Film Capacitors
FKT-MY

1. Operation Temperature: -40°C ~ +110°C
2. Rated Voltage: 250, 300 V AC 50/60Hz
3. Capacitance Range: 1500pF ~ 0.82uF
4. Capacitance Tolerance: ±10% (K), ±20% (M)



Metallized Polyester Film Capacitors

FKT-AA - Cycloidal - Axial Lead

1. Operation Temperature: -40°C ~ +105°C
2. Rated Voltage: 100, 250, 400, 630 VDC
3. Capacitance Range: 0.033uF ~ 68uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



Metallized Polyester Film Capacitors

FKT-AB - Flat Oval Shape - Axial Lead

1. Operation Temperature: -40°C ~ +105°C
2. Rated Voltage: 100, 250, 400, 630 VDC
3. Capacitance Range: 0.01uF ~ 68uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



Metallized Polypropylene Film Capacitors

FKT-AC - Cycloidal - Axial Lead

1. Operation Temperature: -55°C ~ +100°C
2. Rated Voltage: 250, 400, 630, 1000, 1250 VDC
3. Capacitance Range: 0.047uF ~ 56uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



Metallized Polypropylene Film Capacitors

FKT-AD - Oval - Axial Lead

1. Operation Temperature: -55°C ~ +100°C
2. Rated Voltage: 250, 400, 630, 1000, 1250 VDC
3. Capacitance Range: 0.022uF ~ 47uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



Metallized Polyester Film Capacitors

FKT-MQ - Subminiature Size

1. Operation Temperature: -55°C ~ +85°C
2. Rated Voltage: 100 V AC
3. Capacitance Range: 0.001uF ~ 2.2uF
4. Capacitance Tolerance: ±5%



Metallized Polypropylene Film Capacitors - MPP

FKT-MN

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 100, 250, 400, 630, 1000 VDC
3. Capacitance Range: 0.001 ~ 0.33Mfd
4. Capacitance Tolerance: ±5%



Metallized Polyester Film Capacitors-Stacked

FKT-MS

1. Operation Temperature: -55°C ~ +105°C
2. Rated Voltage: 250, 400, 630, 1000, 1250 VDC
3. Capacitance Range: 0.001uF ~ 1.5uF
4. Capacitance Tolerance: ±5% (J), ±10% (K), 20% (M)



Metallized Polyester Film Capacitors-Mini Box

FKT-MT

1. Operation Temperature: 85°C
2. Rated Voltage: 50/63/100, 250, 400, 630 VDC
3. Capacitance Range: 0.001uF ~ 2.2uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



Mylar Polyester Film Capacitors

FKT-MP

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 100, 250, 400, 630, 1000, 1200 VDC
3. Capacitance Range: 0.001uF ~ 0.22uF
4. Capacitance Tolerance: ±5% (J), ±10% (K), ±20% (M)



Metallized Polypropylene Film Capacitors

FKT-MK - DC Link-High Power

1. Operation Temperature: -40°C ~ +105°C
2. Rated Voltage: 500, 1200 VDC
3. Capacitance Range: 0.68uF ~ 110uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



IGBT Snubber Capacitors

FKT-SM

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 630, 700, 850, 1000, 1200, 1600, 1700, 2000, 2500, 3000 VDC
3. Capacitance Range: 0.047uF ~ 9uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



FKT-CBB61 Motor Capacitors

FKT-B-D, 5-9

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 250, 450 V AC
3. Capacitance Range: 1uF ~ 20uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



FKT-CBB60 Motor Capacitors

FKT-10-21

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 250, 450 V AC
3. Capacitance Range: 1uF ~ 100uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)



FKT-CBB65 Motor Capacitors

FKT-22-26

1. Operation Temperature: -40°C ~ +85°C
2. Rated Voltage: 370, 450 V AC
3. Capacitance Range: 2uF ~ 100uF
4. Capacitance Tolerance: ±5% (J), ±10% (K)

Kt® Motor Capacitors Application

Refrigerators, Freezers, Pumps, industrial, Air conditioners, Washing machines, Induction motors, Compressors, etc.



- Serial Number
- Capacitance Range
- Rated Voltage
- Ambient Temperature & Experimental Days
- Explosion Proof Level

Motor Capacitors Features:

1. Low D.F. (dissipation factor), good self-healing character
2. HIGH I.R. (insulation resistance)
3. High safety and high reliability
4. Anti-Striking current, strong over-carrier capacity

Kingtronics® Kt®

Inspired by innovation



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EXHIBITIONS

We strongly believe that exchanging ideas can help both us to move forward and develop increasingly prosperous cooperation. Kingtronics team will definitely try all our effort to support in return.

