

# Kingtronics®

# FKT-MB

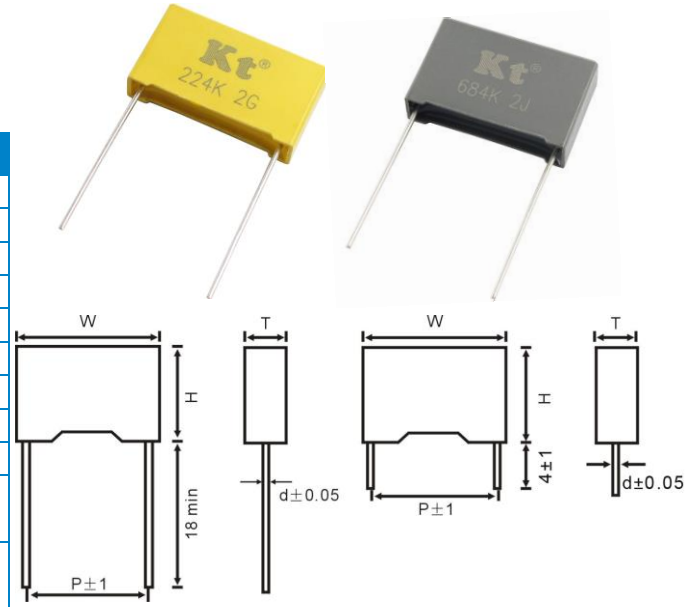
## Metallized Polyester Film Capacitor-Box-Mec

### FEATURES

- ◆ High reliability.
- ◆ Box type provides the identical outer appearance.

### SPECIFICATIONS

Reference Standard	GB7332 (IEC 60384-2)		
Climatic Category	40/85/21		
Operating Temperature Range	-40°C ~ +85°C		
Rated Voltage	63V, 100V, 160V, 250V, 400V, 630V		
Capacitance Range	0.0010μF – 2.2μF		
Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)		
Voltage Proof	1.6U <sub>R</sub> (5s)		
Dissipation Factor	Frequency	C <sub>R</sub> ≤0.1μF	C <sub>R</sub> >0.1μF
	1kHz	≤1.0%	≤1.0%
Insulation Resistance	U <sub>R</sub> >100V	≥7500MΩ, C <sub>R</sub> ≤0.33μF ≥2500s, C <sub>R</sub> >0.33μF	(20°C, 100V, 1min)
	U <sub>R</sub> ≤100V	≥3750MΩ, C <sub>R</sub> ≤0.33μF ≥1250s, C <sub>R</sub> >0.33μF	(20°C, 10V, 1min)



Dimensions (mm) P=7.5

(Pitch Size) P	7.5
(Lead Wire Dia.) d±0.05	0.6
(Dimension Tolerance: W, H, T)	W±0.5, H±0.5, T±0.5

(μF)	63VDC				100VDC				250VDC				400VDC			
	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
0.0033	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.0047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.0068	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.022	--	--	--	--	--	--	--	--	--	--	--	--	10.0	9.0	4.0	7.5
0.033	--	--	--	--	--	--	--	--	10.0	9.0	4.0	7.5	10.0	9.0	4.0	7.5
0.047	--	--	--	--	--	--	--	--	10.0	9.0	4.0	7.5	10.0	9.0	4.0	7.5
0.068	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.10	--	--	--	--	10.0	9.0	4.0	7.5	10.0	9.0	4.0	7.5	10.0	11.0	5.0	7.5
0.15	--	--	--	--	10.0	9.0	4.0	7.5	10.0	11.5	6.0	7.5	--	--	--	--
0.22	10.0	9.0	4.0	7.5	10.0	9.0	4.0	7.5	10.0	15.0	8.0	7.5	--	--	--	--
0.33	10.0	11.0	5.0	7.5	10.0	11.0	5.0	7.5	--	--	--	--	--	--	--	--
0.47	10.0	11.5	6.0	7.5	10.0	11.5	6.0	7.5	--	--	--	--	--	--	--	--
0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1.0	10.0	15.0	8.0	7.5	--	--	--	--	--	--	--	--	--	--	--	--

Dimensions (mm) P=10.0, 15.0

(Pitch Size) P	10.0	15.0
(Lead Wire Dia.) d±0.05	0.6	T≤6, d:0.6 T>6, d:0.8
(Dimension Tolerance: W, H, T)	W±0.5, H±0.5, T±0.5	

(μF)	63VDC				100VDC				160VDC				250VDC				400VDC				630VDC			
	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
0.0047	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.0068	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.01	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	13.0	9.0	4.0	10.0
0.015	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.022	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.033	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.0	11.0	5.0	15.0
0.068	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0
0.10	13.0	11.0	5.0	10.0	13.0	11.0	5.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0
0.15	13.0	11.0	5.0	10.0	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	--	--	--	--
0.22	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	--	--	--	--	--	--	--	--
0.33	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.33	13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	--	--	--	--	--	--	--	--
0.47	13.0	11.0	5.0	10.0	13.0	11.0	5.0	10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.47	--	--	--	--	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	--	--	--	--	--	--	--	--	--	--	--	--
0.68	--	--	--	--	18.0	11.0	5.0	15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.68	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	18.0	13.5	7.5	15.0	--	--	--	--	--	--	--	--	--	--	--	--
1.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	18.0	14.5	8.5	15.0	18.0	14.5	8.5	15.0	--	--	--	--	--	--	--	--
1.5	18.0	12.0	6.0	15.0	18.0	15.5	9.5	15.0	18.0	15.5	9.5	15.0	--	--	--	--	--	--	--	--	--	--	--	--
2.2	18.0	13.5	7.5	15.0	18.0	19.0	11.0	15.0	18.0	19.0	11.0	15.0	18.0	19.0	11.0	15.0	--	--	--	--	--	--	--	--

Note: Specifications are subject to change without notice. For more detail and update, please visit our website.

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**Kingtronics**®**FKT-MB**

Metallized Polyester Film Capacitor-Box-Mec

**HOW TO ORDER**

<b>FKT</b>	<b>MB</b>	<b>1J</b>	<b>224</b>	<b>K</b>	<b>075</b>	<b>000</b>	<b>B</b>	<b>R</b>
Series	Sub Series	Voltage	Capacitance	Capacitance Tolerance	Pitch	Lead Length	Packing	Pb
		<u>1.</u>	<u>2.</u>	<u>3.</u>	<u>4.</u>	<u>5.</u>	<u>6.</u>	<u>7.</u>

**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	0.01 $\mu$ F	0.1 $\mu$ F	1 $\mu$ F	10 $\mu$ F	2200pF	0.022 $\mu$ F	0.22 $\mu$ F	2.2 $\mu$ F
Code	332	333	334	472	473	474	682	683	684
Capacitance	3300pF	0.033 $\mu$ F	0.33 $\mu$ F	4700pF	0.047 $\mu$ F	0.47 $\mu$ F	6800pF	0.068 $\mu$ F	0.68 $\mu$ F

**3. Capacitance Tolerance**

Code	J	K	M
Tolerance	$\pm$ 5%	$\pm$ 10%	$\pm$ 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.

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