

# Kingtronics®

## FKT-MC

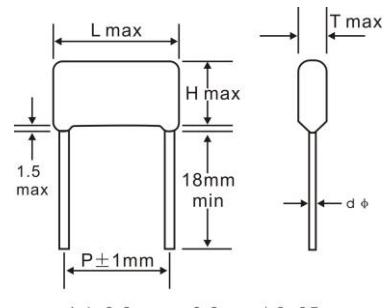
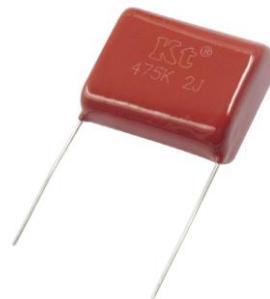
Metallized Polyester Film Capacitor

### FEATURES

- ◆ High reliable with its Self-Healing performance.
- ◆ Coated with epoxy resin for superior heat resistance, humidity resistance and solvent resistance.
- ◆ Good reputation in use with filtering, DC blocking coupling and general communication equipment.

### SPECIFICATIONS

Operating Temperature	◆ -40°C TO +85°C
Rated Voltage	◆ DC 100V, 250V, 400V, 630V
Capacitance Range	◆ 0.01 TO 6.8μF
Capacitance Tolerance	◆ ±5%, ±10%, ±20%
Insulation Resistance	<ul style="list-style-type: none"> <li>◆ UR≤100V C≤0.33μF ≥3750MΩ</li> <li>C&gt;0.33μF ≥1250S</li> </ul>
Dissipation Factor	<ul style="list-style-type: none"> <li>◆ UR&gt;100V C≤0.33μF ≥7500MΩ</li> <li>C&gt;0.33μF ≥2500S</li> <li>(20°C 100VDC 60SEC)</li> <li>P.S: T[s]=I.R.[MΩ]*C<sub>N</sub> [μF]</li> <li>◆ ≤0.01 (AT 1KHZ)</li> </ul>



d φ:0.6mm or 0.8mm ± 0.05mm

VDC Mfd	100V (2A)				250V (2E)				400V (2G)				630V (2J)			
	L	T	H	P	L	T	H	P	L	T	H	P	L	T	H	P
0.01	14	5.5	10	10	14	4.8	9	10	14	4.8	9	10	14	4.8	9	10
0.015	14	5.7	10	10	14	6.5	10	10	14	6.5	10	10	14	5.7	9.6	10
0.018	14	5.9	10	10	14	6.5	10	10	14	6.5	10	10	14	5.9	10	10
0.022	14	6	10	10	14	6.5	10	10	14	6.5	10	10	14	6	10	10
0.027	--	--	--	--	--	--	--	--	19	7	11	15	--	--	--	--
0.033	14	6.8	10	10	14	6.8	10	10	14	6.8	10	10	14	6.8	10	10
0.039	--	--	--	--	--	--	--	--	--	--	--	--	19	7	11	15
0.047	14	6.5	10.5	10	14	6.5	10.5	10	14	6.5	10.5	10	14	6.5	10.5	10
0.056	--	--	--	--	--	--	--	--	19	8	12	15	19	8	11.5	15
0.068	14	5.8	10	10	14	5.8	9	10	14	6.5	10	10	14	9	12	10
0.082	--	--	--	--	--	--	--	--	--	--	--	--	19	7	11	15
0.1	--	--	--	--	--	--	--	--	19	7.5	12	15	19	8	12	15
0.15	--	--	--	--	--	--	--	--	--	--	--	--	23.5	6	10	20
0.18	14	7.6	11	10	14	7.6	11	10	19	8	12	15	18	8.5	14.5	15
0.22	--	--	--	--	--	--	--	--	25	7	11.5	22.5	25	8	12.5	22.5
0.27	14	7.2	11	10	14	8.5	12.5	10	14	8.5	12.5	10	19	10.5	15	15
0.33	14	8	11.5	10	18	6	9.9	15	18	8	13.5	15	24	7	12	20
0.39	18	6	9.9	15	--	--	--	--	--	--	--	--	26.5	8	13	22.5
0.47	14	8	11	10	14	8.5	14	10	19	9	14	15	24	9	15	20
0.5	18	7	11	15	18	8.5	13	15	19	10	16.5	15	24	11	18.5	20
0.56	14	9	13.5	10	19	9	13.5	15	19	10.5	17.5	15	24	12	19	20
0.68	19	8	13	15	--	--	--	--	24	8.5	15.5	20	25	11.5	18.5	22.5
0.82	14	7.5	13	10	19	9.5	15	15	18	11.5	16.5	15	24.5	15.5	20.5	20
1	18.5	7.5	12.5	15	--	--	--	--	24.5	9.5	16	20	25	11	18	22.5
1.2	--	--	--	--	--	--	--	--	25	9	15	22.5	--	--	--	--
1.5	--	--	--	--	--	--	--	--	32	8	15	27.5	--	--	--	--
1.8	24	9	16	20	24.5	11	16	20	25	12.5	21.5	22.5	--	--	--	--
2	--	--	--	--	--	--	--	--	32	11	19.5	27.5	--	--	--	--
2.2	24	11.5	18.5	20	24	12	18	20	32	13	20.5	27.5	--	--	--	--
2.5	24	11.5	18.5	20	31	11	18	27.5	32	13.5	22	27.5	--	--	--	--
2.7	24	10.5	18.5	20	24	13	19.2	20	32	14	22	27.5	--	--	--	--
2.9	24	11	19	20	--	--	--	--	--	--	--	--	--	--	--	--
3	--	--	--	--	31	12	19	27.5	--	--	--	--	--	--	--	--
3.3	24	11.5	20	20	31	12	20.5	27.5	--	--	--	--	--	--	--	--
4.5	25.5	12	21	22.5	31	14	21.5	27.5	--	--	--	--	--	--	--	--
	31	11.5	20	27.5	--	--	--	--	--	--	--	--	--	--	--	--

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

**Kingtronics® International Company**


**FKT-MC**
**Metallized Polyester Film Capacitor**
**HOW TO ORDER**

<u>FKT</u>	<u>MC</u>	<u>2A</u>	<u>103</u>	<u>K</u>	<u>100</u>	<u>000</u>	<u>B</u>	<u>R</u>
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	275	300	305	310	400						
	VAC	VAC	VAC	VAC	VAC	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

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