

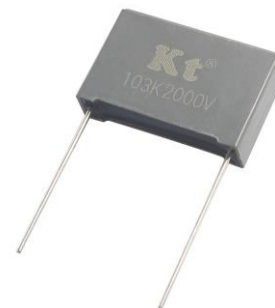
Kingtronics®

FKT-MH

High Voltage Metallized Polypropylene Film Capacitor-Box Type

FEATURES

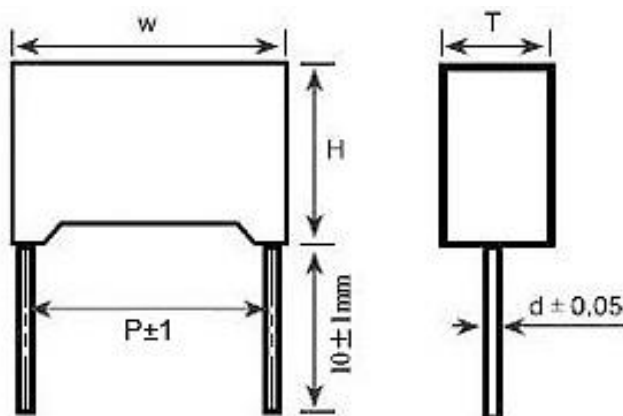
- ◆ Metallized structure, widely used in high voltage, high frequency and pulse circuit
- ◆ Low loss and small inherent temperature rise
- ◆ Negative temperature coefficient of capacitance
- ◆ Excellent active and passive flame resistant abilities



SPECIFICATIONS

Reference Standard	GB14579 (IEC 60384-17)	
Climatic Category	40/105/56	
Rated Temperature	85°C for V _R (DC) 75°C for V _R (AC)	
Operating Temperature Range	-40°C~+105°C (+85°C to +105°C decreasing factor 1.25% per °C for V _R DC)	
Rated Voltage	1000V, 1400/1600V, 2000V	
Capacitance Range	0.00022μF ~ 0.22μF	
Capacitance Tolerance	±2%(G), ±3%(E), ±5%(J), ±10%(K), ±20%(M)	
Voltage Proof	1.6U _R (5s)	
Dissipation Factor	≤0.001, (20°C, 1kHz)	
Insulation Resistance	≥50 000MΩ, C _R ≤0.33μF ≥15 000s, C _R >0.33μF	(20°C, 100V, 1min)

OUTLINE DRAWING



Dimensions (mm)		
Lead Pitch: P	≤10	>10
Lead Wire Dia.: d ± 0.05	0.6	0.8
Dimension Tolerance: W,H,T	W+0.5/-0.7, H±0.5, T±0.5	

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DIMENSIONS (mm)

(μF)	1000VDC / 1250VDC (600VAC)				1400VDC / 1600VDC (650VAC)				2000VDC (700VAC)			
	P	W	H	T	P	W	H	T	P	W	H	T
0.00022	10	13	11	5	10	13	11	5	15	18	11	5
0.00027	10	13	11	5	10	13	11	5	15	18	11	5
0.00033	10	13	11	5	15	18	11	5	15	18	11	5
0.00039	10	13	11	5	10	13	11	5	15	18	11	5
0.00047	10	13	11	5	10	13	11	5	15	18	11	5
0.00056	10	13	11	5	10	13	11	5	15	18	11	5
0.00068	10	13	11	5	10	13	11	5	15	18	11	5
0.00075	10	13	11	5	15	18	11	5	15	18	11	5
0.00082	10	13	11	5	10	13	11	5	15	18	11	5
0.001	15	18	11	5	15	18	11	5	15	18	11	5
0.001	10	13	11	5	10	13	11	5	22.5	26.5	15	6
0.0012	15	18	12	6	15	18	12	6	15	18	12	6
0.0012	10	13	11	5	10	13	11	5	15	18	12	6
0.0015	15	18	12	6	15	18	12	6	15	18	12	6
0.0015	10	13	11	5	10	13	11	5	15	18	12	6
0.0018	15	18	11	5	15	18	11	5	15	18	12	6
0.0018	10	13	11	5	10	13	12	6	15	18	12	6
0.0022	15	18	12	6	15	18	12	6	15	18	12	6
0.0022	10	13	11	5	10	13	12	6	15	18	12	6
0.0027	15	18	13.5	7.5	15	18	13.5	7.5	15	18	14.5	8.4
0.0027	10	13	11	5	10	13	12	6	15	18	14.5	8.4
0.0033	15	18	13.5	7.5	15	18	13.5	7.5	15	18	14.5	8.4
0.0033	10	13	11	5	10	13	12	6	22.5	26.5	15	6
0.0039	10	13	11	5	15	18	14.5	8.5	15	18	14.5	8.5
0.0039	15	18	14.5	8.5	15	18	14.5	8.5	22.5	26.5	15	6
0.0047	10	13	11	5	15	18	14.5	8.5	15	18	15.5	9.5
0.0047	15	18	14.5	8.5	15	18	14.5	8.5	22.5	26.5	15	6
0.0056	10	13	11	5	15	18	14.5	8.5	15	18	14.5	8.5
0.0056	15	18	14.5	8.5	15	18	14.5	8.5	22.5	26.5	15	6
0.0068	10 (1250V)	13	12	6	15	18	14.5	8.5	15	18	15.5	9.5
0.0068	10 (1000V)	13	11	5	15	18	14.5	8.5	22.5	26.5	15	6
0.0068	15	18	14.5	8.5	15	18	14.5	8.5	--	--	--	--
0.0082	15	18	13.5	7.5	15	18	14.5	8.5	15	18	16	10
0.0082	15	18	13.5	7.5	15	18	14.5	8.5	22.5	26.5	15	6
0.01	15	18	12	6	15	18	14.5	8.5	15	18	19	11
0.01	15	18	12	6	15	18	14.5	8.5	22.5	26.5	16.5	7
0.012	15	18	12	6	15	18	14.5	8.5	22.5	26.5	16.5	7
0.015	15	18	12	6	22.5	26.5	16.5	7	22.5	26.5	17	8.5
0.018	15	18	13.5	7.5	22.5	26.5	17	8.5	22.5	26.5	17	8.5
0.022	15	18	13.5	7.5	15	18	19	11	22.5	26.5	19	10
0.022	15	18	13.5	7.5	22.5	26.5	19	10	22.5	26.5	19	10
0.027	15	18	14.5	8.5	22.5	26.5	19	10	27.5	31.4	19.5	10.8
0.027	22.5	26.5	15	6	22.5	26	20	11	27.5	31.4	19.5	10.8
0.033	15	18	14.5	8.5	22.5	26	21.5	12	22.5	26	21.5	12
0.033	22.5	26.5	15	6	22.5	26	21.5	12	27.5	31.4	19.5	10.8
0.039	15	18	16	10	27.5	31.4	19.5	10.8	27.5	31.5	21.6	13
0.039	22.5	26.5	16.5	7	27.5	31.4	19.5	10.8	27.5	31.5	21.6	13
0.047	15	18	19	10.8	27.5	31.4	19.5	10.8	27.5	31	25	14
0.047	22.5	26.5	16.5	7	27.5	31.4	19.5	10.8	27.5	31	25	14
0.056	22.5	26.5	17	8.5	27.5	31.4	19.5	10.8	--	--	--	--
0.068	22.5	26.5	17	8.5	27.5	31.5	21.6	13	--	--	--	--
0.082	22.5	26.5	19	10	27.5	31.5	21.6	13	--	--	--	--
0.1	22.5	26.5	19	10	27.5	31.5	21.6	13	--	--	--	--
0.1	27.5	31.4	19.5	10.8	27.5	31.5	21.6	13	--	--	--	--
0.12	27.5	31.4	19.5	10.8	--	--	--	--	--	--	--	--
0.15	27.5	31.4	19.5	10.8	--	--	--	--	--	--	--	--
0.18	27.5	31.5	21.6	13	--	--	--	--	--	--	--	--
0.22	27.5	31.5	21.6	13	--	--	--	--	--	--	--	--

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

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HOW TO ORDER

FKT	MH	3A	102	K	150	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	0.01 μ F	0.1 μ F	1 μ F	10 μ F	2200pF	0.022 μ F	0.22 μ F	2.2 μ F
Code	332	333	334	472	473	474	682	683	684
Capacitance	3300pF	0.033 μ F	0.33 μ F	4700pF	0.047 μ F	0.47 μ F	6800pF	0.068 μ F	0.68 μ 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

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