

# Kingtronics®

# FKT-MW

Metallized Polypropylene Film AC Capacitor Class-X1

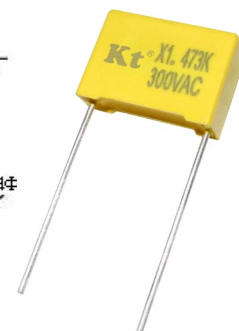
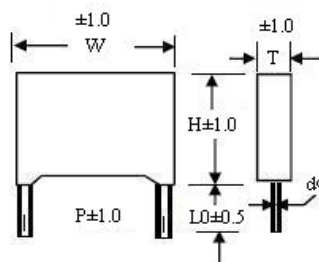
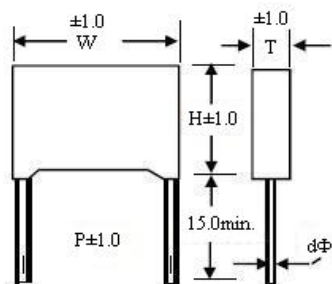
## FEATURES

- ◆ This specifications cover the requirements of kingtronics Metallized Polypropylene
- ◆ Film AC Capacitor (Interference Suppressors Class-X1)

## SPECIFICATIONS

Capacitor Class	"X1" stands for X1 class
Climatic Category	55/ 105/ 21
Operating Temperature Range	-55°C~ +105°C (for which the capacitor can be operated continuously at rated voltage.
Rated Voltage	300V.AC, 440V.AC
Capacitance Range	0.0022 ~ 4.7μF
Capacitance Tolerance	±10%
Insulation Resistance (I.R.)	>=15,000 MOhm (C<=0.33μF) >=5,000 MOhm (C>0.33μF)
Dissipation Factor (DF)	0.001 (0.1%)max. at 1KHz

## DRAWING:



## 300V.AC STANDARD SIZE (mm)

Mfd	W±1.0	H±1.0	T±1.0	P±1.0
0.0022	13.0	11.0	5.0	10.0
0.0033	13.0	11.0	5.0	10.0
0.0047	13.0	11.0	5.0	10.0
0.0056	13.0	11.0	5.0	10.0
0.0068	13.0	11.0	5.0	10.0
0.0082	13.0	11.0	5.0	10.0
0.01	18.0	11.0	5.0	15.0
	13.0	11.0	5.0	10.0
0.012	18.0	12.0	6.0	15.0
	13.0	11.0	5.0	10.0
0.015	18.0	12.0	6.0	15.0
	13.0	11.0	5.0	10.0
0.018	18.0	12.0	6.0	15.0
	13.0	11.0	5.0	10.0
0.022	18.0	12.0	6.0	15.0
	13.0	12.0	6.0	10.0
0.027	18.0	12.0	6.0	15.0
	13.0	12.0	6.0	10.0
0.033	18.0	12.0	6.0	15.0
0.039	18.0	12.0	6.0	15.0
0.047	18.0	12.0	6.0	15.0
0.056	18.0	12.0	6.0	15.0
0.068	18.0	13.5	7.5	15.0
0.082	18.0	13.5	7.5	15.0
0.1	18.0	14.5	8.5	15.0
0.12	18.0	14.5	8.5	15.0
0.15	26.5	16.5	7.0	22.5
	18.0	16.0	10.0	15.0

Mfd	W±1.0	H±1.0	T±1.0	P±1.0
0.18	26.5	17.0	8.5	22.5
	18.0	18.0	10.0	15.0
0.2	26.5	17.0	8.5	22.5
0.22	26.5	17.0	8.5	22.5
0.27	26.5	19.0	10.0	22.5
0.33	32.0	18.0	9.0	27.5
	26.5	19.0	10.0	22.5
0.39	32.0	18.0	9.0	27.5
	26.5	19.0	10.0	22.5
0.47	32.0	20.0	11.0	27.5
	26.5	20.0	11.5	22.5
0.56	32.0	21.5	13.0	27.5
0.68	32.0	21.5	13.0	27.5
0.82	32.0	25.5	16.0	27.5
1.0	32.0	26.0	18.0	27.5
1.2	32.0	26.0	18.0	27.5
1.5	38.0	30.0	20.0	31.0
2.0	41.0	31.5	24.0	37.5
2.2	41.0	31.5	24.0	37.5
2.7	48.0	32.0	22.0	41.0
3.0	48.0	37.0	25.0	41.0
3.3	48.0	37.0	25.0	41.0
3.9	58.0	38.0	26.0	51.0
4.7	58.0	38.0	26.0	51.0
0.033	13.0	12.0	6.0	10.0

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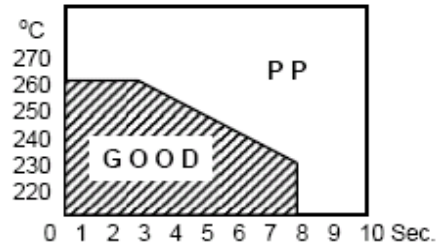
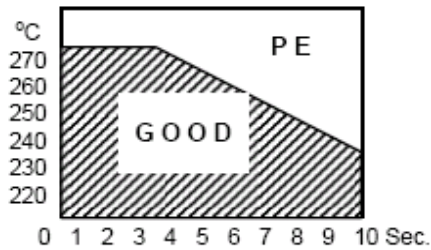
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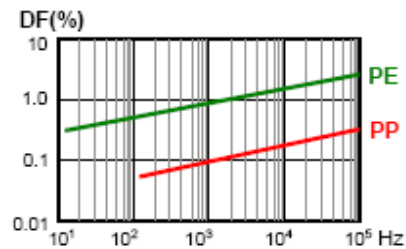
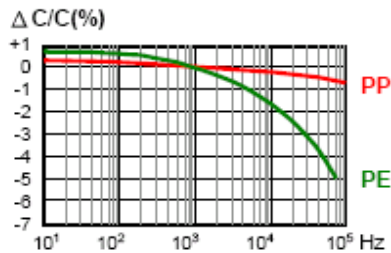
Metallized Polypropylene Film AC Capacitor Class-X1

## CHARACTERISTICS REFERENCE

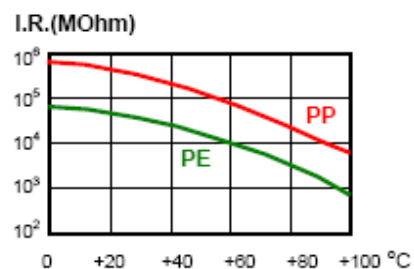
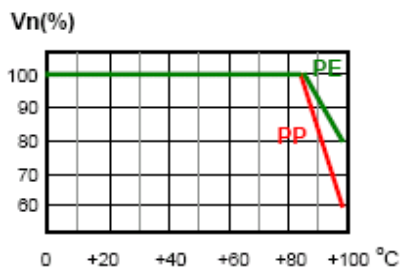
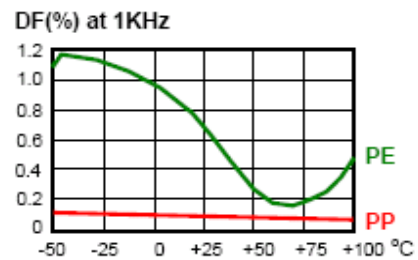
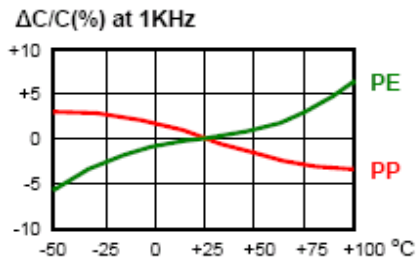
### Soldering Temperature VS Time



### Frequency Characteristics



### Temperature Characteristics



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## HOW TO ORDER

<u>FKT</u>	<u>MW</u>	<u>Q1</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 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.