

Kingtronics®

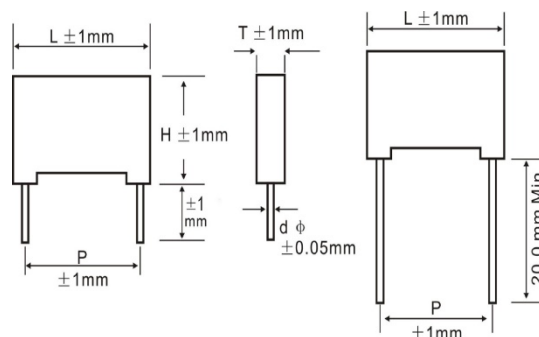
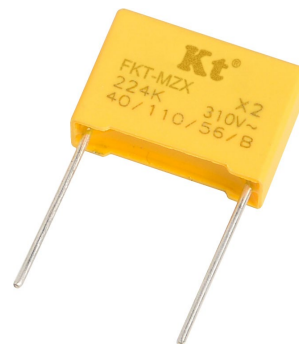
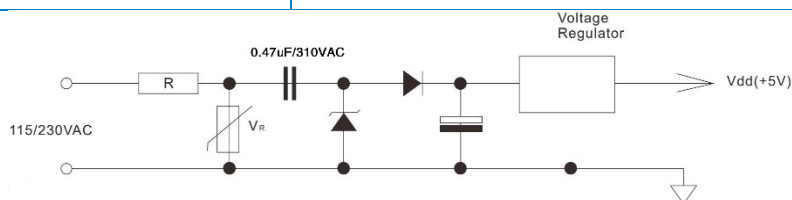
FKT-MZX METALLIZED POLYPROPYLENE FILM CAPACITOR – X2

FEATURES

- ◆ NON – INDUCTIVE, (UL940V-0)
- ◆ PLASTIC CASE SEALED WITH EPOXY RESIN FOR CAPACITIVE DIVIDER
- ◆ Suitable for applications in serial with the 100~240VAC mains, such as energy meter, a small power LED driver module, small household electrical appliances control panel (electric kettle, electric cooker, coffee machine, hair straightener etc.), thermostat, replace the transformer.

SPECIFICATIONS

VOLTAGE RATING	310 VAC
CAPACITANCE RANGE	0.0022 – 2.2 μ F
CAPACITANCE TOLERANCE	\pm 10% std.
OPERATING TEMPERATURE	-40°C to +110°C
VOLTAGE PROOF	Between Terminal 4.3U _R DC /60s
DISSIPATION FACTOR	0.0010 μ F \leq CR \leq 0.47 μ F \leq 0.1% (1KHz,20°C)
	0.47 μ F \leq CR \leq 1.0 μ F \leq 0.2% (1KHz,20°C)
	1.0 μ F \leq CR \leq 10 μ F \leq 0.3% (1KHz,20°C)
INSULATION RESISTANCE	C _R \leq 0.33 μ F, I.R \geq 15,000M Ω
	C _R $>$ 0.33 μ F, I.R \geq 5,000S (20°C , 100V,1min)



Standard Lead Length: 20mm min

Dimensions Table for 310V AC:

(Unit : mm)

A type											
CAP	L \pm 1.0	T \pm 1.0	H \pm 1.0	P \pm 1.0	d \pm 0.05	CAP	L \pm 1.0	T \pm 1.0	H \pm 1.0	P \pm 1.0	d \pm 0.05
0.0022	13	5	11	10	0.6	0.068	18	5	11	15	0.8
0.0027	13	5	11	10	0.6	0.082	18	6	12	15	0.8
0.0033	13	5	11	10	0.6	0.1	18	6	12	15	0.8
0.0039	13	5	11	10	0.6	0.12	18	6	12	15	0.8
0.0047	13	5	11	10	0.6	0.15	18	7.5	13.5	15	0.8
0.0056	13	5	11	10	0.6	0.15	18	6	12	15	0.8
0.0068	13	5	11	10	0.6	0.15	26.5	6	15	22.5	0.8
0.0082	13	5	11	10	0.6	0.18	26.5	7	16.5	22.5	0.8
0.01	13	5	11	10	0.6	0.22	26.5	7	16.5	22.5	0.8
0.012	13	5	11	10	0.6	0.27	26.5	6	15	22.5	0.8
0.015	13	5	11	10	0.6	0.33	26.5	8.5	17	22.5	0.8
0.018	13	5	11	10	0.6	0.39	26.5	8.5	17	22.5	0.8
0.022	13	5	11	10	0.6	0.47	26.5	8.5	17	22.5	0.8
0.022	18	5	11	15	0.6	0.56	31.5	11	19.5	27.5	0.8
0.027	13	5	11	10	0.6	0.68	31.5	11	19.5	27.5	0.8
0.033	13	5	11	10	0.6	0.82	31.5	11	19.5	27.5	0.8
0.039	13	5	11	10	0.6	1	31.5	11	19.5	27.5	0.8
0.047	18	5	11	15	0.8	1.5	31.5	13	21.5	27.5	0.8
0.056	18	5	11	15	0.8	2.2	31.5	14	25	27.5	0.8

B type											
CAP	L \pm 1.0	T \pm 1.0	H \pm 1.0	P \pm 1.0	d \pm 0.05	CAP	L \pm 1.0	T \pm 1.0	H \pm 1.0	P \pm 1.0	d \pm 0.05
0.01	18	5	11	15	0.8	0.33	18	8.5	14.5	15	0.8
0.033	18	5	11	15	0.8	0.39	18	8.5	16.5	15	0.8
0.047	13	5	11	10	0.6	0.47	18	11	19	15	0.8
0.056	13	5	11	10	0.6	0.56	26.5	10	19	22.5	0.8
0.068	13	5	11	10	0.6	0.68	18	11	19	15	0.8
0.082	13	6	12	10	0.6	0.68	26.5	10	19	22.5	0.8
0.1	13	6	12	10	0.6	0.82	26.5	10	19	22.5	0.8
0.18	18	7.5	13.5	15	0.8	1	26.5	10	19	22.5	0.8
0.22	18	8.5	14.5	15	0.8	1.5	26	12	21.5	22.5	0.8
0.25	18	8.5	14.5	15	0.8						
0.27	18	7.5	13.5	15	0.8						

Please contact us for special item or size not listed

Kingtronics®**FKT-MZX****METALLIZED POLYPROPYLENE
FILM CAPACITOR – X2****HOW TO ORDER**

FKT	MZX	Q3	103	K	100	000	B	R
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	0.01μF	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.

Kingtronics® International CompanyWebsite: www.kingtronics.comEmail: info@kingtronics.com

Tel: (852) 8106 7033

Fax: (852) 8106 7099