

Kingtronics®

FKT-MV

Metallized Polypropylene Film A.C.Capacitor For Capacitive Divider

FEATURES

- ◆ Metallized polypropylene film, non-inductive wound construction.
- ◆ Good self-healing properties, withstanding surge voltage stressing.
- ◆ Long stability of capacitance.
- ◆ Good properties in damp environment.
- ◆ Flame resistant epoxy resin powder coating (UL94/V-0).



Type Application:

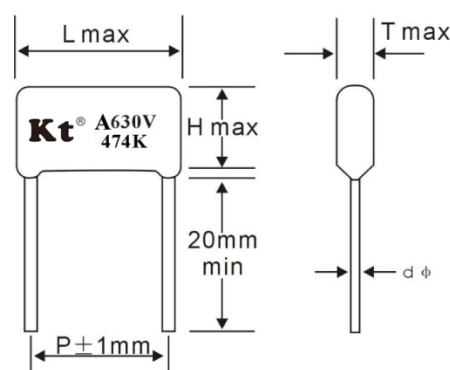
Suitable for applications in serial with the 100~240Vac mains, as a small power LED driver module, small household electrical appliances control panel (electric kettle, electric cooker, coffee machine, hair straightener etc.), thermostat, replace the transformer.

Widely used in LC resonant, high frequency high current situation

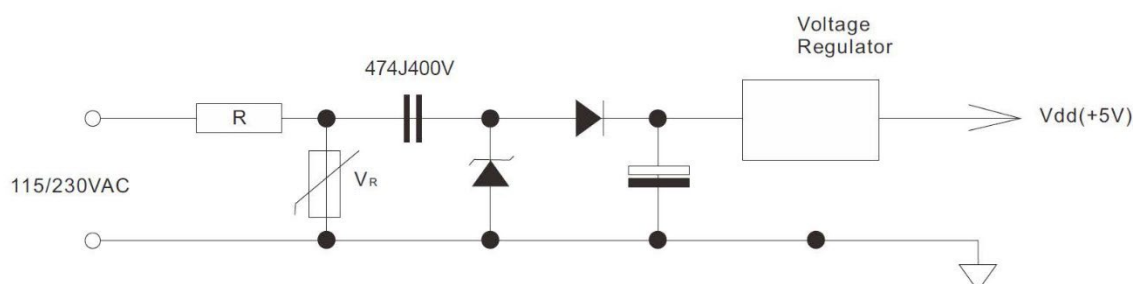
SPECIFICATIONS

Reference Standard	GB/T 14579 (IEC 60384-17)			
Climatic Category	40/85/21 B			
Rated Temperature	85°C			
Operating Temperature	-40°C~ +85°C			
Rated Voltage(50/60Hz)	160Vac	230Vac	250Vac	2753Vac/300Vac
Maximum Continuous DC Voltage	400Vac		630Vac	
Voltage Proof	1.6UR (5S)			
Capacitance Range	0.01 ~ 4.7μF			
Capacitance Tolerance	±5% (J), ±10% (K)			
Insulation Resistance	R≥15000MΩ		C _N ≤0.33μF	
	R≥5000s		C _N >0.33μF	
	(20°C, 100V, 1min)			
Dissipation Facto	≤0.1% (20°C, 1KHz)			

DRAWING :



Note: For long life time and continuous working, please choose 275Vac and upwards voltage.



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STANDARD SIZE (mm)

VDC Mfd	400 VDC (2G)					630 VDC (2J)				
	L	T	H	d	P	L	T	H	d	P
0.01	10	5.6	8.5	0.6	7.5	13	5.5	9	0.6	10
	13	5.5	9	0.6	10					
0.012	10	6	9	0.6	7.5	13	6	10	0.6	10
	13	6	10	0.6	10					
0.015	10	6.4	9.5	0.6	7.5	13	6	10	0.6	10
	13	6	10	0.6	10					
0.018	13	7	11	0.6	10	13	7	11	0.6	10
						18	5.5	9.5	0.6	15
0.022	13	7	11	0.6	10	13	7	11	0.6	10
						18	5.8	9.8	0.6	15
0.033	13	6.5	10	0.6	10	13	6.5	10	0.6	10
	18	6.5	11.5	0.6	15	18	6.5	11.5	0.6	15
0.036	13	6.5	10	0.6	10	13	6.5	10	0.6	10
	18	7	12	0.6	15	18	7	12	0.6	15
0.039	13	6	11	0.6	10	18	6.6	12	0.6	15
0.047	13	6.5	11.5	0.6	10	13	6.5	11.5	0.6	10
	18	7.5	12.5	0.6	15	18	7.5	12.5	0.6	15
0.068	13	6	10.5	0.6	10	13	8	13	0.6	10
	18	6	9.5	0.6	15	18	8.5	14	0.6	15
0.1	13	7	12	0.6	10	18	6.7	11.5	0.6	15
	18	6.5	11	0.6	15	18	10.5	16	0.8	15
0.15	19	7.5	13	0.8	15	19	7.5	13	0.8	15
0.22	18	9	14.5	0.8	15	18	9	14.5	0.8	15
0.33	18	9	16	0.5	15	25	8.5	15	0.8	22.5
	23	7.5	14.5	0.8	20					
0.39	18	9.5	16.5	0.5	15	25	9	16	0.8	22.5
	23	7.5	14.5	0.8	20					
0.47	23	8	15	0.8	20	23	8.5	15.5	0.8	20
	25	9.5	16	0.8	22.5	25	9.5	16	0.8	22.5
0.56	23	9	15.5	0.8	20	25	10.5	17.5	0.8	22.5
	18	11	17.5	0.6	15	31	9	17	0.8	27.5
0.68	25	10.5	18	0.8	22.5	23	11.5	18	0.8	20
	23	10.5	17.5	0.8	20	31	11	18	0.8	27.5
0.82	23	8	14	0.8	20					
	25	10.5	17	0.8	22.5					
1.0	25	11.5	18	0.8	22.5	25	13	21	0.8	22.5
	23	10.5	16	0.8	20	31	12	20	0.8	27.5
	31	10	18.5	0.8	27.5					
1.5	23	12	20	0.8	20	31	15	23	0.8	27.5
	23	11	18.5	0.8	20					
2	31	10.5	19	0.8	27.5					
	25	13	21	0.8	22.5					
	23	12.5	20	0.8	20					
2.2	31	15	23	0.8	27.5					
	25	14	22	0.8	22.5					
	23	12.6	21.5	0.8	20					
3.3	31	15.5	24	0.8	27.5					
	31	16.5	24.5	0.8	27.5					

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HOW TO ORDER

FKT	MV	2G	472	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.

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