

MPP-A series / Metallized polypropylene film A.C. capacitor for capacitive divider

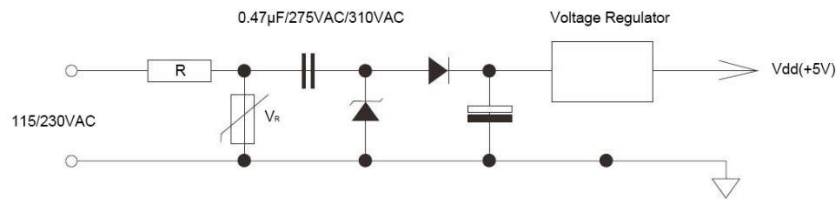
■ General Technical Characteristics 一般特性

Metallized polypropylene film
 金属化聚丙烯膜
 Good self-healing properties, withstanding surge voltage stressing
 自愈性能优异，能承受过电压冲击
 Long stability of capacitance
 长期负载下优异的电容容量稳定性
 Good properties in damp environment, excellent active and passive flame resistant abilities
 优异的防潮性能和阻燃性能

■ Applications 应用

This is specifically designed for applications in serial with the main, i.e.: capacitive divider, for examples, energy meter, LED driver etc.
 专门设计用于与电源串联的电容降压电路场合，如电表、LED驱动模块等。

■ Typical Circuit 典型电路



■ Electrical Characteristics 电气特性

Reference Standard 引用标准: GB/T 14579 (IEC60384-7)
 Climatic Category 气候类别: 40/85/21
 Rated Temperature 额定温度: 85°C
 Operating Temperature Range: -40°C ~ 85°C
 工作温度范围: (+85°C to +105°C: decreasing factor 1.25% per °C for U_R)
 Rated Voltage 额定电压: 400VDC(230VAC), 560VDC(250VAC), 630VDC(275VAC/305VAC/310VAC)
 Capacitance Range 电容量范围: 0.001μF ~ 4.7μF
 Capacitance Tolerance 电容量偏差: ±5% (J), ±10% (K)
 Dissipation Factor 损耗角正切: $\leq 10 \times 10^{-4}$ Measured at 1KHz and 20°C.
 Test Voltage 耐电压: $1.6U_R$ for 5 sec.
 Insulation Resistance 绝缘电阻: $\geq 15\ 000\text{M}\Omega$, for $C_N \leq 0.33\mu\text{F}$
 $\geq 5\ 000\text{s}$, for $C_N > 0.33\mu\text{F}$ Measured at 20°C, 100V and 1 min.

■ Outline Drawing 外形图

		Forming Lead Shapes			
		I	II	III	IV
		P > F		P < F	
		0mm < P-F < 3mm	3mm < P-F < 8mm	3mm < F-P < 5mm	0mm < F-P < 3mm
		F ± 0.8mm; A < 5.0mm; B=4.5 ± 0.5mm			

■ Part Number System 产品编码说明

K6E	L2	333	K	E	L	0	20	***
型号代码	额定电压	标称容量	容量偏差	引线脚距P	引线加工/包装代码	引线加工脚距	引线长度	内部编码
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Lead Space:	Lead form and packaging code:	Lead type:	Lead length:	Internal code
K6E:	L2=230VAC	104: 0.1μF	J: ± 5%	E=7.5mm		0=none	05=5mm	
MPP-A Series	E2=250VAC	105: 1.0μF	K: ± 10%	F=10.0mm	L=straight lead		20=20mm	
	P2=275VAC			H=15.0mm				
	Q1=300VAC			I=20.0mm				
				J=22.5mm				
				K=25.0mm				
				L=27.5mm				

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■ Electrical Specification & Part Numbers Reference 规格型号参考

Unit: mm (max)

Cap. (μF)	230VAC					Part Number	Cap. (μF)	250VAC					Part Number
	W	H	T	P	d			W	H	T	P	d	
0.033	9.5	10.5	5.5	7.5	0.6	K6EL2333*****	0.010	12.5	8.0	4.0	10.0	0.6	K6EE2103*****
0.047	9.5	10.5	6.5	7.5	0.6	K6EL2473*****	0.015	12.5	8.0	5.0	10.0	0.6	K6EE2153*****
0.033	12.5	9.0	5.0	10.0	0.6	K6EL2333*****	0.022	12.5	9.0	5.0	10.0	0.6	K6EE2223*****
0.047	12.5	10.0	5.5	10.0	0.6	K6EL2473*****	0.033	12.5	10.0	5.5	10.0	0.6	K6EE2333*****
0.068	12.5	11.0	6.0	10.0	0.6	K6EL2683*****	0.047	12.5	11.5	6.0	10.0	0.6	K6EE2473*****
0.10	12.5	12.0	7.0	10.0	0.6	K6EL2104*****	0.068	12.5	12.5	7.0	10.0	0.6	K6EE2683*****
0.10	17.5	10.5	5.5	15.0	0.6	K6EL2104*****	0.068	17.5	10.0	5.5	15.0	0.6	K6EE2683*****
0.15	17.5	11.0	6.5	15.0	0.6	K6EL2154*****	0.10	17.5	11.0	6.5	15.0	0.6	K6EE2104*****
0.22	17.5	12.0	7.5	15.0	0.6	K6EL2224*****	0.15	17.5	12.0	7.5	15.0	0.6	K6EE2154*****
0.33	17.5	14.5	9.0	15.0	0.6	K6EL2334*****	0.22	17.5	13.5	8.5	15.0	0.6	K6EE2224*****
0.39	17.5	14.5	9.5	15.0	0.6	K6EL2394*****	0.33	17.5	15.0	10.5	15.0	0.7	K6EE2334*****
0.47	17.5	15.0	10.5	15.0	0.7	K6EL2474*****	0.15	22.5	11.0	6.5	20.0	0.7	K6EE2154*****
0.22	22.5	11.0	6.5	20.0	0.7	K6EL2224*****	0.22	22.5	12.0	7.5	20.0	0.7	K6EE2224*****
0.33	22.5	12.5	7.5	20.0	0.7	K6EL2334*****	0.33	22.5	14.5	8.0	20.0	0.7	K6EE2334*****
0.39	22.5	13.0	8.0	20.0	0.7	K6EL2394*****	0.39	22.5	15.0	8.0	20.0	0.7	K6EE2394*****
0.47	22.5	14.5	8.0	20.0	0.7	K6EL2474*****	0.47	22.5	16.0	9.0	20.0	0.7	K6EE2474*****
0.56	22.5	15.0	9.0	20.0	0.7	K6EL2564*****	0.56	22.5	17.5	10.5	20.0	0.7	K6EE2564*****
0.68	22.5	16.0	9.5	20.0	0.7	K6EL2684*****	0.68	22.5	19.5	10.0	20.0	0.7	K6EE2684*****
1.0	22.5	19.0	11.0	20.0	0.7	K6EL2105*****	0.22	25.0	13.5	6.5	22.5	0.7	K6EE2224*****
0.33	25.0	13.0	6.5	22.5	0.7	K6EL2334*****	0.33	25.0	14.0	7.5	22.5	0.7	K6EE2334*****
0.39	25.0	13.5	7.0	22.5	0.7	K6EL2394*****	0.39	25.0	15.5	8.0	22.5	0.7	K6EE2394*****
0.47	25.0	14.0	7.5	22.5	0.7	K6EL2474*****	0.47	25.0	15.5	9.0	22.5	0.7	K6EE2474*****
0.56	25.0	15.5	8.5	22.5	0.7	K6EL2564*****	0.56	25.0	16.0	9.5	22.5	0.7	K6EE2564*****
0.68	25.0	15.5	9.0	22.5	0.7	K6EL2684*****	0.68	25.0	18.0	10.0	22.5	0.7	K6EE2684*****
1.0	25.0	18.0	10.5	22.5	0.7	K6EL2105*****	1.0	25.0	20.0	12.0	22.5	0.7	K6EE2105*****
1.5	25.0	21.2	12.5	22.5	0.7	K6EL2155*****	0.33	28.0	15.5	6.0	25.0	0.7	K6EE2334*****
1.0	28.0	18.5	9.5	25.0	0.7	K6EL2105*****	0.39	28.0	15.5	7.5	25.0	0.7	K6EE2394*****
1.5	28.0	20.5	11.0	25.0	0.7	K6EL2155*****	0.47	28.0	16.5	8.0	25.0	0.7	K6EE2474*****
2.0	28.0	22.5	13.0	25.0	0.7	K6EL2205*****	0.56	28.0	16.5	8.5	25.0	0.7	K6EE2564*****
2.2	28.0	23.0	13.5	25.0	0.7	K6EL2225*****	0.68	28.0	17.0	9.5	25.0	0.7	K6EE2684*****
0.47	30.0	14.5	6.5	27.5	0.7	K6EL2474*****	1.0	28.0	19.0	11.5	25.0	0.8	K6EE2105*****
0.56	30.0	15.0	7.0	27.5	0.7	K6EL2564*****	1.5	28.0	25.5	12.0	25.0	0.8	K6EE2155*****
0.68	30.0	16.5	7.5	27.5	0.7	K6EL2684*****	2.0	28.0	27.0	14.0	25.0	0.8	K6EE2205*****
1.0	30.0	17.0	9.0	27.5	0.7	K6EL2105*****	2.2	28.0	28.5	15.0	25.0	0.8	K6EE2225*****
1.5	30.0	20.0	10.5	27.5	0.8	K6EL2155*****	3.3	28.0	31.5	18.0	25.0	0.8	K6EE2335*****
2.0	30.0	24.5	11.0	27.5	0.8	K6EL2205*****	0.47	30.0	15.5	7.5	27.5	0.8	K6EE2474*****
2.2	30.0	24.5	11.0	27.5	0.8	K6EL2225*****	0.56	30.0	16.0	8.0	27.5	0.8	K6EE2564*****
3.0	30.0	27.5	14.0	27.5	0.8	K6EL2305*****	0.68	30.0	17.5	9.0	27.5	0.8	K6EE2684*****
3.3	30.0	27.5	14.5	27.5	0.8	K6EL2335*****	1.0	30.0	19.5	10.5	27.5	0.8	K6EE2105*****
4.0	30.0	29.0	16.5	27.5	0.8	K6EL2405*****	1.5	30.0	24.0	11.5	27.5	0.8	K6EE2155*****
4.7	30.0	31.5	18.0	27.5	0.8	K6EL2475*****	2.0	30.0	26.0	13.5	27.5	0.8	K6EE2205*****
							2.2	30.0	27.5	14.0	27.5	0.8	K6EE2225*****
							3.0	30.0	29.5	16.5	27.5	0.8	K6EE2305*****
							3.3	30.0	30.0	17.5	27.5	0.8	K6EE2335*****
							4.0	30.0	32.0	19.5	27.5	0.8	K6EE2405*****

备注：

1. "*****" = Capacitance tolerance code, Pitch, Lead form and packaging code, Lead form, Lead length, Internal code.

"*****" 表示容量偏差，引线脚距，引线加工和包装代码，引线加工脚距，引线长度，内部编码。

2. Customization for special specification and requirement is available.

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■ Electrical Specification & Part Numbers Reference 规格型号参考

Unit: mm (max)

Cap. (μ F)	275VAC/300VAC					Part Number
	W	H	T	P	d	
0.10	17.5	14.5	9.0	15.0	0.6	K6EP2104*****
0.15	17.5	15.5	10.5	15.0	0.7	K6EP2154*****
0.22	17.5	18.5	12.0	15.0	0.7	K6EP2224*****
0.10	22.5	12.0	7.5	20.0	0.7	K6EP2104*****
0.15	22.5	14.5	9.0	20.0	0.7	K6EP2154*****
0.22	22.5	16.0	10.0	20.0	0.7	K6EP2224*****
0.33	22.5	18.0	12.0	20.0	0.7	K6EP2334*****
0.10	25.0	12.0	7.0	22.5	0.7	K6EP2104*****
0.15	25.0	13.0	8.5	22.5	0.7	K6EP2154*****
0.22	25.0	16.5	9.0	22.5	0.7	K6EP2224*****
0.33	25.0	17.5	11.0	22.5	0.7	K6EP2334*****
0.39	25.0	19.0	11.5	22.5	0.7	K6EP2394*****
0.47	25.0	20.5	12.5	22.5	0.7	K6EP2474*****
0.22	28.0	15.0	8.5	25.0	0.7	K6EP2224*****
0.27	28.0	16.0	9.5	25.0	0.7	K6EP2274*****
0.33	28.0	17.5	10.5	25.0	0.7	K6EP2334*****
0.36	28.0	17.0	10.0	25.0	0.7	K6EP2364*****
0.39	28.0	18.5	11.0	25.0	0.7	K6EP2394*****
0.41	28.0	18.0	11.5	25.0	0.8	K6EP2414*****
0.43	28.0	18.0	11.0	25.0	0.8	K6EP2434*****
0.45	28.0	19.0	11.5	25.0	0.8	K6EP2454*****
0.47	28.0	20.5	11.5	25.0	0.8	K6EP2474*****
0.49	28.0	20.5	12.0	25.0	0.8	K6EP2494*****
0.51	30.0	20.0	12.0	27.5	0.8	K6EP2514*****
0.56	30.0	21.5	12.5	27.5	0.8	K6EP2564*****
0.68	30.0	22.0	14.0	27.5	0.8	K6EP2684*****
0.75	30.0	23.5	14.5	27.5	0.8	K6EP2754*****
0.82	30.0	24.0	14.5	27.5	0.8	K6EP2824*****
1.0	30.0	26.0	16.5	27.5	0.8	K6EP2105*****

备注：

1. "*****" = Capacitance tolerance code, Pitch, Lead form and packaging code, Lead form, Lead length, Internal code.

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