



Metallized Polypropylene Film Capacitor (Interference Suppressors Class - MKP X2)

JGS72(X2) 是由金属化聚丙烯膜做介质和电极，镀锡铜包钢线做端子，胶壳封装环氧树脂灌注而成无感电容器。此系列产品适用于电源跨线电路，EMI滤波，消除火花电路等。

JGS72 (X2) are non-inductively wound with metallized polypropylene film as dielectric and electrode, with copper-clad steel leads, encapsulated in solvent-resistant and self-extinguishing UL94V0 thermoplastic case, with epoxy resin sealed. They provide Interference Suppression with safety approvals. They are suitable for Across-the-line Capacitors, EMI Filters, Spark-killer Circuits, etc.



特性FEATURES:

- 自愈特性
Self-healing properties.
- 耐湿强度高
High moisture resistance.
- 能承受过压冲击
Overvoltage stress withstanding.
- 阻燃胶壳和环氧树脂
Flame-retardant plastic case and epoxy resin.

技术要求 SPECIFICATIONS:

1. 工作温度 OPERATING TEMPERATURE : -40℃ -- +110℃.
2. 容量范围 CAPACITANCE RANGE : 0.0022uF -- 10.0uF.
3. 容量误差 CAPACITANCE TOLERANCE : ± 10%(K), ± 20%(M).
4. 额定电压 RATED VOLTAGE : 250VAC, 310VAC (50Hz/60Hz)
5. 损耗 DISSIPATION FACTOR : 0.1% max. at 1KHz, 25℃.
6. 绝缘阻抗 INSULATION RESISTANCE : 15,000 MOhm min. for C≤0.33uF.
5,000 MOhm*uF/C min. for C>0.33uF.
7. 耐压强度 DIELECTRIC STRENGTH : 1,200VDC for 60 sec.or 2,000VDC for 1 sec.

X2-MKP



Part Number	Rated Cap	250/275VAC					Part Number	Rated Cap	250/275VAC					Part Number	Rated Cap	250/275VAC				
		W	H	T	P	d			W	H	T	P	d			W	H	T	P	d
		±0.5	±0.5	±0.5	±1.0	±0.05			±0.5	±0.5	±0.5	±1.0	±0.05			±0.5	±0.5	±0.5	±1.0	±0.05
	2200pF	13.0	9.0	4.0	10.0	0.6		0.10uF	13.0	12.0	6.0	10.0	0.6		0.68uF	18.0	21.0	12.0	15.0	0.8
	3300pF	13.0	11.0	5.0	10.0	0.6		0.10uF	18.0	11.0	5.0	15.0	0.6		0.68uF	26.5	19.0	10.0	22.5	0.8
	4700pF	13.0	11.0	5.0	10.0	0.6		0.10uF	18.0	12.0	6.0	15.0	0.8		0.68uF	26.5	21.5	12.0	22.5	0.8
	5600pF	13.0	11.0	5.0	10.0	0.6		0.10uF	18.0	13.0	6.3	15.0	0.8		0.68uF	31.5	19.5	11.0	27.5	0.8
	6800pF	13.0	11.0	5.0	10.0	0.6		0.15uF	18.0	12.0	6.0	10.0	0.6		0.75uF	26.5	21.5	12.0	22.5	0.8
	8200pF	13.0	11.0	5.0	10.0	0.6		0.15uF	18.0	13.5	7.5	15.0	0.8		0.75uF	31.5	19.5	11.0	27.5	0.8
	0.010uF	13.0	11.0	5.0	10.0	0.6		0.15uF	26.5	15.0	6.0	22.5	0.8		0.82uF	26.5	21.5	12.0	22.5	0.8
	0.015uF	13.0	11.0	5.0	10.0	0.6		0.22uF	18.0	13.0	6.3	15.0	0.8		0.82uF	31.5	19.5	11.0	27.5	0.8
	0.022uF	13.0	11.0	5.0	10.0	0.6		0.22uF	18.0	14.5	8.5	15.0	0.8		0.82uF	31.5	21.6	13.0	27.5	0.8
	0.022uF	18.0	11.0	5.0	15.0	0.6		0.22uF	26.5	16.5	7.0	22.5	0.8		1.00uF	26.5	21.5	12.0	22.5	0.8
	0.033uF	13.0	11.0	5.0	10.0	0.6		0.33uF	18.0	14.5	8.5	15.0	0.8		1.00uF	31.5	19.5	11.0	27.5	0.8
	0.033uF	18.0	11.0	5.0	15.0	0.6		0.33uF	18.0	16.0	10.0	15.0	0.8		1.00uF	31.5	21.6	13.0	27.5	0.8
	0.047uF	13.0	11.0	5.0	10.0	0.6		0.33uF	26.5	17.0	8.5	22.5	0.8		1.5uF	32.0	26.0	18.0	27.5	0.8
	0.047uF	18.0	11.0	5.0	15.0	0.6		0.39uF	26.5	17.0	8.5	22.5	0.8		2.0uF	32.0	26.0	18.0	27.5	0.8
	0.056uF	13.0	12.0	6.0	10.0	0.6		0.47uF	18.0	16.0	11.0	15.0	0.8		2.0uF	32.0	31.0	22.0	27.5	0.8
	0.056uF	18.0	11.0	5.0	15.0	0.6		0.47uF	26.5	19.0	10.0	22.5	0.8		2.2uF	32.0	31.0	22.0	27.5	0.8
	0.068uF	13.0	12.0	6.0	10.0	0.6		0.47uF	31.5	19.5	11.0	27.5	0.8		2.2uF	38.0	28.0	18.0	31.0	1.0
	0.068uF	118.0	11.0	5.0	15.0	0.6		0.56uF	18.0	21.0	12.0	15.0	0.8		3.0uF	38.0	30.0	20.0	31.0	1.0
	0.082uF	13.0	12.0	6.0	10.0	0.6		0.56uF	26.5	19.0	10.0	22.5	0.8		3.3uF	38.0	30.0	20.0	31.0	1.0
	0.082uF	18.0	11.0	5.0	15.0	0.6		0.56uF	31.5	19.5	11.0	27.5	0.8		4.7uF	41.5	32.0	19.0	37.5	1.0

* UL & CSA approved UL1414 for 250Vac only. Approved according to IEC 60384-14:1993+A1:1995(EN132400:1994+A2:1998+A3:1998+A4:2001). According to IEC 60065.

◎ 超出上述范围之需求，请先与我们联系，确认是否承制。

For inquiry of items out of above range or with special dimensions, please do not hesitate to contact with us for availability.

◎ 上述规格仅供参考，实际规格以规格承认书为准。

Specifications are subject to change without notice. Please refer to approval sheets for final and mutually agreed specifications.



Metallized Polypropylene Film Capacitor (Interference Suppressors Class X-2)

MKP X2 275/310VAC

X2 金属化聚丙烯膜安规电容器



RECOMMENDED DIMENSIONS OF MKP X2 V=275/310VAC

Pitch: 10/15mm

C. (uF)	W	H	T	P	D	Case
0.01	13.0	11.0	5.0	10.0	0.6	C2
0.012	13.0	11.0	5.0	10.0	0.6	C2
0.015	13.0	11.0	5.0	10.0	0.6	C2
0.018	13.0	11.0	5.0	10.0	0.6	C2
0.022	13.0	11.0	5.0	10.0	0.6	C2
0.027	13.0	11.0	5.0	10.0	0.6	C2
0.033	13.0	11.0	5.0	10.0	0.6	C2
0.039	13.0	11.0	5.0	10.0	0.6	C2
0.047	13.0	11.0	5.0	10.0	0.6	C2
0.047	13.0	12.0	6.0	10.0	0.6	C2
0.056	13.0	11.0	5.0	10.0	0.6	C2
0.056	13.0	12.0	6.0	10.0	0.6	C2
0.068	13.0	11.0	5.0	10.0	0.6	C2
0.068	13.0	12.0	6.0	10.0	0.6	C2
0.82	13.0	12.0	6.0	10.0	0.6	C2
0.1	13.0	12.0	6.0	10.0	0.6	C2
0.1	13.0	12.5	6.5	10.0	0.6	C31
0.1	13.0	16.0	8.0	10.0	0.6	C5
0.12	13.0	13.0	7.0	10.0	0.6	C4
0.15	13.0	13.0	7.0	10.0	0.6	C4
0.15	13.0	14.0	8.0	10.0	0.6	C41
0.01	18.0	11.0	5.0	15.0	0.6	D1
0.012	18.0	11.0	5.0	15.0	0.6	D1
0.015	18.0	11.0	5.0	15.0	0.6	D1
0.018	18.0	11.0	5.0	15.0	0.6	D1
0.022	18.0	11.0	5.0	15.0	0.6	D1
0.027	18.0	11.0	5.0	15.0	0.6	D1
0.033	18.0	11.0	5.0	15.0	0.6	D1
0.039	18.0	11.0	5.0	15.0	0.6	D1
0.047	18.0	11.0	5.0	15.0	0.6	D1

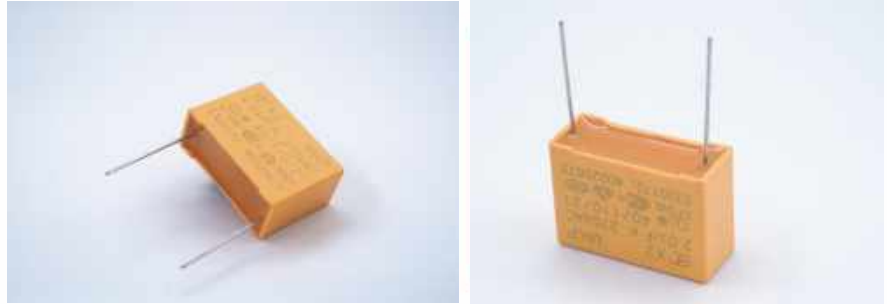
C. (uF)	W	H	T	P	D	Case
0.056	18.0	11.0	5.0	15.0	0.6	D1
0.068	18.0	11.0	5.0	15.0	0.6	D1
0.068	18.0	12.0	6.0	15.0	0.6	D2
0.082	18.0	11.0	5.0	15.0	0.6	D1
0.082	18.0	12.0	6.0	15.0	0.6	D2
0.1	18.0	11.0	5.0	15.0	0.6	D1D
0.1	18.0	12.0	6.0	15.0	0.8	D2
0.1	18.0	13.5	6.0	15.0	0.8	D21
0.12	18.0	12.0	6.0	15.0	0.8	D2
0.15	18.0	12.0	6.0	15.0	0.8	D2
0.15	18.0	13.5	7.5	15.0	0.8	D3
0.15	18.0	14.5	8.5	15.0	0.8	D4
0.18	18.0	13.5	7.5	15.0	0.8	D3
0.22	18.0	13.5	7.5	15.0	0.8	D3
0.22	18.0	14.5	8.5	15.0	0.8	D4
0.27	18.0	14.5	8.5	15.0	0.8	D4
0.33	18.0	14.5	8.5	15.0	0.8	D4
0.33	18.0	16.0	10.0	15.0	0.8	D5
0.33	18.0	18.5	7.5	15.0	0.8	D42
0.33	18.0	14.0	8.0	15.0	0.8	D41
0.39	18.0	16.0	10.0	15.0	0.8	D5
0.39	18.0	18.0	9.0	15.0	0.8	D51
0.47	18.0	16.0	10.0	15.0	0.8	D5
0.47	18.0	18.0	9.0	15.0	0.8	D51
0.47	18.0	19.0	11.0	15.0	0.8	D6
0.56	18.0	19.0	11.0	15.0	0.8	D6
0.56	18.0	18.0	10.0	15.0	0.8	D54
0.60	18.0	19.0	11.0	15.0	0.8	D6
0.68	18.0	19.0	11.0	15.0	0.8	D6
0.68	18.0	22.0	12.5	15.0	0.8	D7



Metallized Polypropylene Film Capacitor (Interference Suppressors Class X-2)

MKP X2 275/310VAC

X2 金属化聚丙烯膜安规电容器



RECOMMENDED DIMENSIONS OF MKP X2 V=275/310VAC

C. (uF)	W _{max}	H _{max}	T _{max}	P	D	Case
0.15	26.0	13.5	6.0	22.5	0.8	E1
0.15	26.0	16.5	7.0	22.5	0.8	E2
0.18	26.0	13.5	6.0	22.5	0.8	E1
0.22	26.0	13.5	6.0	22.5	0.8	E1
0.22	26.0	16.5	7.0	22.5	0.8	E2
0.27	26.0	16.5	7.0	22.5	0.8	E2
0.33	26.0	16.5	7.0	22.5	0.8	E2
0.33	26.0	17.0	8.5	22.5	0.8	E3
0.39	26.0	16.5	7.0	22.5	0.8	E2
0.39	26.0	17.0	8.5	22.5	0.8	E3
0.39	26.0	19.0	10.0	22.5	0.8	E4
0.47	26.0	16.5	7.0	22.5	0.8	E2
0.47	26.0	17.0	8.5	22.5	0.8	E3
0.47	26.0	19.0	10.0	22.5	0.8	E4
0.56	26.0	17.0	8.5	22.5	0.8	E3
0.56	26.0	19.0	10.0	22.5	0.8	E4
0.68	26.0	17.0	8.5	22.5	0.8	E3E
0.68	26.0	19.0	10.0	22.5	0.8	4E
0.82	26.0	19.0	10.0	22.5	0.8	4E
0.82	26.0	20.0	11.0	22.5	0.8	E5
1.00	26.0	20.0	11.0	22.5	0.8	E5
1.00	26.0	23.0	13.0	22.5	0.8	E7
1.20	26.0	22.0	12.0	22.5	0.8	E6
1.20	26.0	23.0	13.0	22.5	0.8	E7
1.50	26.0	23.0	13.0	22.5	0.8	E7
1.50	26.0	24.0	14.0	22.5	0.8	E8
1.80	26.0	24.0	14.0	22.5	0.8	E8
1.80	26.0	25.0	15.0	22.5	0.8	E9
2.00	26.0	25.0	15.0	22.5	0.8	E9
2.00	26.0	29.5	14.0	22.5	0.8	E91
2.20	26.0	25.0	15.0	22.5	0.8	E9
2.20	26.0	29.5	14.0	22.5	0.8	E91

Pitch: 22.5/27.5mm

C. (uF)	W _{max}	H _{max}	T _{max}	P	D	Case
0.47	31.0	18.0	9.0	27.5	0.8	F0
0.56	31.0	20.0	9.0	27.5	0.8	F11
0.56	31.0	18.0	9.0	27.5	0.8	F0
0.68	31.0	18.0	9.0	27.5	0.8	F0
0.68	31.0	20.0	11.0	27.5	0.8	F1
0.82	31.0	20.0	9.5	27.5	0.8	F11
0.82	31.0	20.0	11.0	27.5	0.8	F1
1.00	31.0	20.0	11.0	27.5	0.8	F1
1.20	31.0	22.0	13.0	27.5	0.8	F2
1.20	31.0	22.0	13.0	27.5	0.8	F2
1.50	31.0	22.0	13.0	27.5	0.8	F2
1.50	31.0	24.5	13.0	27.5	0.8	F3
1.80	31.0	25.0	16.0	27.5	0.8	F4
1.80	31.0	28.0	14.0	27.5	0.8	F5
2.00	31.0	28.0	14.0	27.5	0.8	F5
2.00	31.0	28.0	18.0	27.5	0.8	F6
2.20	31.0	28.0	14.0	27.5	0.8	F5
2.20	31.0	28.0	18.0	27.5	0.8	F6
2.20	31.0	28.0	19.5	27.5	0.8	F61
2.70	31.0	28.0	18.0	27.5	0.8	F6
2.70	31.0	28.0	19.5	27.5	0.8	F61
3.00	31.0	28.0	19.5	27.5	0.8	F61
3.00	31.0	31.0	21.0	27.5	0.8	F7
3.00	31.0	33.0	18.0	27.5	0.8	F8
3.30	31.0	33.0	18.0	27.5	0.8	F8
3.30	31.0	31.0	21.0	27.5	0.8	F7
3.30	31.0	35.0	26.0	27.5	0.8	F9

REFERENCE STANDARDS

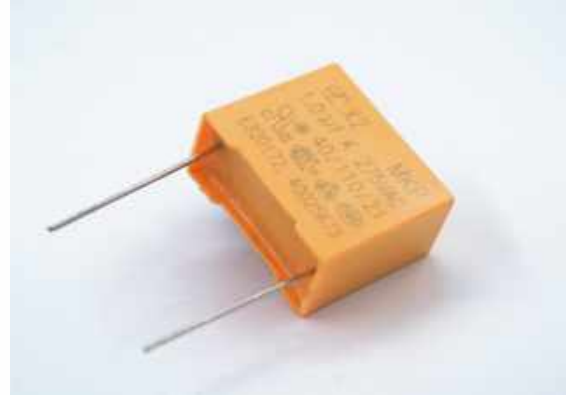
"IEC 60384-14:2005 3rd edition and EN60384-14:2005"
 "IEC 60065, pass. flamm. class B"



Metallized Polypropylene Film Capacitor (Interference Suppressors Class X-2)

MKP X2 275/310VAC

X2 小型化金属化聚丙烯膜安规电容器



Pitch7. 5/12. 5mm

RECOMMENDED DIMENSIONS OF MKP X2 V=275/310VAC

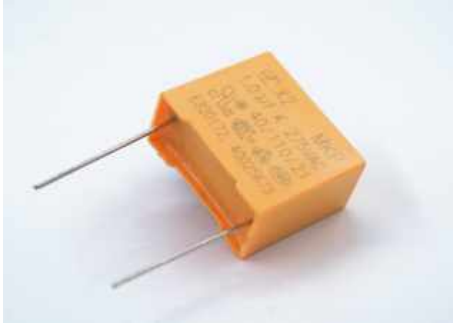
C. (uF)	W	H	T	P	D	Case
0.0047	10.0	9.0	4.0	7.5	0.6	B2
0.0056	10.0	9.0	4.0	7.5	0.6	B2
0.0068	10.0	9.0	4.0	7.5	0.6	B2
0.0082	10.0	9.0	4.0	7.5	0.6	B2
0.01	10.0	9.0	4.0	7.5	0.6	B2
0.012	10.0	9.0	4.0	7.5	0.6	B2
0.015	10.0	9.0	4.0	7.5	0.6	B2
0.018	10.0	9.0	4.0	7.5	0.6	B2
0.022	10.0	9.0	4.0	7.5	0.6	B2
0.027	10.0	10.0	5.0	7.5	0.6	B6
0.033	10.0	10.0	5.0	7.5	0.6	B6
0.033	10.0	9.0	5.0	7.5	0.6	B4
0.033	10.0	10.0	4.0	7.5	0.6	B5
0.039	10.0	11.0	5.0	7.5	0.6	B7
0.047	10.0	10.0	5.0	7.5	0.6	B6
0.047	10.0	12.0	6.0	7.5	0.6	B8
0.056	10.0	11.0	5.0	7.5	0.6	B7
0.056	10.0	12.0	6.0	7.5	0.6	B8
0.068	10.0	12.0	6.0	7.5	0.6	B8
0.068	10.0	13.0	7.0	7.5	0.6	B9
0.082	10.0	12.0	6.0	7.5	0.6	B8
0.082	10.0	13.0	7.0	7.5	0.6	B9
0.1	10.0	13.0	7.0	7.5	0.6	B9
0.0047	13.0	9.0	4.0	10.0	0.6	C1
0.0056	13.0	9.0	4.0	10.0	0.6	C1
0.0068	13.0	9.0	4.0	10.0	0.6	C1
0.0082	13.0	9.0	4.0	10.0	0.6	C1
0.01	13.0	9.0	4.0	10.0	0.6	C1
0.012	13.0	9.0	4.0	10.0	0.6	C1
0.015	13.0	9.0	4.0	10.0	0.6	C1
0.018	13.0	9.0	4.0	10.0	0.6	C1
0.022	13.0	9.0	4.0	10.0	0.6	C1

C. (uF)	W	H	T	P	D	Case
0.027	13.0	9.0	4.0	10.0	0.6	C1
0.033	13.0	9.0	4.0	10.0	0.6	C1
0.039	13.0	9.0	4.0	10.0	0.6	C1
0.047	13.0	9.0	4.0	10.0	0.6	C1
0.056	13.0	11.0	5.0	10.0	0.6	C2
0.056	13.0	10.0	5.0	10.0	0.6	C1-1
0.068	13.0	11.0	5.0	10.0	0.6	C2
0.068	13.0	10.0	5.0	10.0	0.6	C1-1
0.082	13.0	11.0	5.0	10.0	0.6	C2
0.1	13.0	11.0	5.0	10.0	0.6	C2
0.12	13.0	12.0	6.0	10.0	0.6	C3
0.15	13.0	13.0	7.0	10.0	0.6	C4
0.18	13.0	14.0	8.0	10.0	0.6	C4-1
0.22	13.0	14.0	8.0	10.0	0.6	C4-1
0.22	13.0	16.0	8.0	10.0	0.6	C5
0.27	13.0	16.0	9.0	10.0	0.6	C6
0.33	13.0	16.0	9.0	10.0	0.6	C6
0.15	15.0	11.5	6.0	12.5	0.6	G0
0.22	15.0	12.5	7.0	12.5	0.6	G2
0.22	15.0	13.5	7.0	12.5	0.6	G3
0.33	15.0	14.0	8.5	12.5	0.6	G5
0.39	15.0	15.0	9.0	12.5	0.6	G6
0.47	15.0	16.0	10.0	12.5	0.6	G8
0.56	15.0	17.0	11.0	12.5	0.6	G9

REFERENCE STANDARDS
 * IEC 60384-14: 2005 3rd edition and EN60384-14: 2005"
 * IEC 60065, pass. flamm. class B"



MKP X2 275/310VAC



RECOMMENDED DIMENSIONS OF MKP X2 V=275/310VAC

C. (uF)	W	H	T	P	D	Case
0.0470	18.0	19.0	4.0	15.0	0.6	D0-1
0.0560	18.0	9.0	4.0	15.0	0.6	D0-1
0.0680	18.0	10.0	4.0	15.0	0.6	D0-2
0.0820	18.0	11.0	5.0	15.0	0.6	D1
0.100	18.0	10.0	5.0	15.0	0.6	D1-1
0.120	18.0	11.0	5.0	15.0	0.6	D1
0.150	18.0	11.0	5.0	15.0	0.6	D1
0.180	18.0	12.0	6.0	15.0	0.6	D2
0.220	18.0	12.0	6.0	15.0	0.6	D2
0.220	18.0	16.0	5.0	15.0	0.6	D2-3
0.330	18.0	17.5	6.0	15.0	0.6	D3-1
0.330	18.0	12.5	9.0	15.0	0.8	D3-2
0.390	18.0	14.0	8.0	15.0	0.8	D4-1
0.470	18.0	14.0	8.0	15.0	0.8	D4-1
0.470	18.0	12.5	9.0	15.0	0.8	D3-2
0.470	18.0	17.5	6.0	15.0	0.6	D3-1
0.560	18.0	15.0	9.0	15.0	0.8	D5-3
0.560	18.0	18.0	10.0	15.0	0.8	D5-4
0.680	18.0	16.0	10.0	15.0	0.8	D5
0.680	18.0	18.0	9.0	15.0	0.8	D5-1
0.820	18.0	17.5	10.0	15.0	0.8	D5-5
0.820	18.0	19.0	11.0	15.0	0.8	D6
1.000	18.0	19.0	11.0	15.0	0.8	D6
0.220	26.0	11.0	5.0	22.5	0.6	E0
0.220	26.0	13.5	6.0	22.5	0.6	E1
0.270	26.0	12.0	6.0	22.5	0.6	E1-1
0.330	26.0	12.0	6.0	22.5	0.6	E1-1
0.330	26.0	16.5	7.0	22.5	0.8	E2
0.390	26.0	12.0	6.0	22.5	0.6	E1-1
0.390	26.0	16.5	7.0	22.5	0.8	E2
0.470	26.0	14.0	6.0	22.5	0.6	E1-2
0.470	26.0	16.5	7.0	22.5	0.8	E2

Pitch15.0/27.5mm

C. (uF)	W	H	T	P	D	Case
0.560	26.0	16.5	7.0	22.5		E2
0.560	26.0	14.0	7.0	22.5		E2-1
0.680	26.0	16.5	7.0	22.5		E2
0.680	26.0	15.0	7.5	22.5		E2-3
0.82	26.0	16.0	8.0	22.5		E3-1
0.82	26.0	18.0	9.0	22.5		E3-2
1.00	26.0	18.0	9.0	22.5		E3-2
1.00	26.0	17.0	9.0	22.5		E3-3
1.00	26.0	19.0	10.0	22.5		E4
1.20	26.0	19.5	9.0	22.5		E4-1
1.50	26.0	21.0	10.0	22.5		E4-2
1.80	26.0	23.0	13.0	22.5		E7
1.80	26.0	24.0	14.0	22.5		E8
2.20	26.0	24.0	14.0	22.5		E8
2.20	26.0	22.0	15.0	22.5		E9-2
0.47	31.0	13.5	6.0	27.5		F0-1
0.56	31.0	14.5	6.5	27.5		F0-2
0.68	31.0	15.5	6.5	27.5		F0-3
0.82	31.0	16.0	7.5	27.5		F0-4
1.00	31.0	17.0	8.0	27.5		F0-5
1.50	31.0	19.0	10.0	27.5		F1-2
2.20	31.0	22.0	13.0	27.5		F2

RECOMMENDED DIMENSIONS OF MKP X2 V=275/310VAC Pitch27.5/37.5mm

C. (uF)	W	H	T	P	D
3.9	31.0	35.0	26.0	27.5	0.8
3.9	31.0	31.0	23.0	27.5	0.8
4.7	31.0	35.0	26.0	27.5	0.8
4.7	31.0	33.0	28.0	27.5	0.8
4.7	31.0	37.0	22.0	27.5	0.8
3.9	41.5	32.0	16.0	37.5	1.0
3.9	41.5	28.0	19.0	37.5	1.0
4.7	41.5	30.0	17.0	37.5	1.0
4.7	41.5	32.0	19.0	37.5	1.0
4.7	41.5	36.0	19.0	37.5	1.0
5.6	41.5	32.0	19.0	37.5	1.0
5.6	41.5	40.0	20.0	37.5	1.0
5.6	41.5	38.0	21.0	37.5	1.0
6.8	41.5	42.0	28.0	37.5	1.0
6.8	41.5	38.0	20.0	37.5	1.0
6.8	41.5	44.0	24.0	37.5	1.0
8.2	41.5	40.0	20.0	37.5	1.0
8.2	41.5	38.0	25.0	37.5	1.0
8.2	41.5	43.0	28.0	37.5	1.0
10.0	41.5	45.0	30.0	37.5	1.0
10.0	41.5	43.0	28.0	37.5	1.0