

MPX/MKP Class X2 MPX Safety Standard Capacitor(X2)

■Reference Standard

UL1414 (EN132400)
GB/T14472-1998 (IEC384-14)

■Structures

Material: Polypropylene film
Electrode: Metallized Vacuum Evaporated Layer
(With complexing jumbo-size Zinc and Aluminum)
Out Box: ABS/PBT Fire-proof plastic box(UL94 V-0) (UL94 V-0)
Encapsulation: Fire-proof Epoxide Resin
Pin: With copper-clad steel leads or PVC Electronic Tread








■ Using area

Over line, to inhibit the Surge, fit for AC circuits etc.

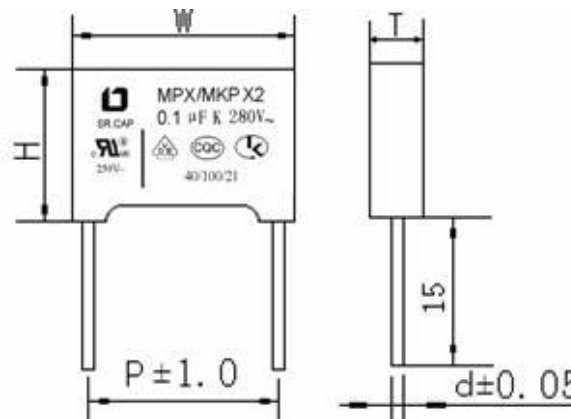
■ Features

Small Size with good self-healing effect. Have strong moisture resistance and well proof voltage.

■ Security Certifications

Authentication Mark	Profile No.
	E246678 UL1414 E314875 UL1283
	40008924
	CQC06001018191
	SU03022-6001A SU03002-6002A SU03022-6003A SU03022-7001 SU03022-7002
	CH-04-1K-0192.ZA1.A
	402702
	312760-01



■Outline Drawing



Pitch mm	10	15	22.5	27.5	31.5	41.5
The Diameter of the Pin mm	0.6	0.6/0.8	0.8	0.8	0.8	1.0
PVC Electronic Tread	22#	22#	20# ; 18#			

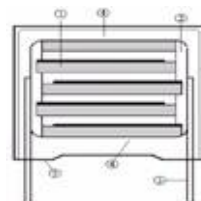
■Specifications

Climate Conditions	-40--+100		
Rated Voltage	250VAC/280VAC		
Capacitance Range	0.0022μF--4.7μF		
Capacitance Tolerance	(±5%); (±10%)		
Voltage Proof	4.3UR Or 2100VDC 5S Between the Electrode and Outbox 2000VAC 5S		
Insulation Resistance and Time Consistence	≤0.33μF	≥30000MΩ	
	>0.33μF	≥10000S (MΩ.μF)	
Dissipation	<1.0μF	0.0015 10KHz	20

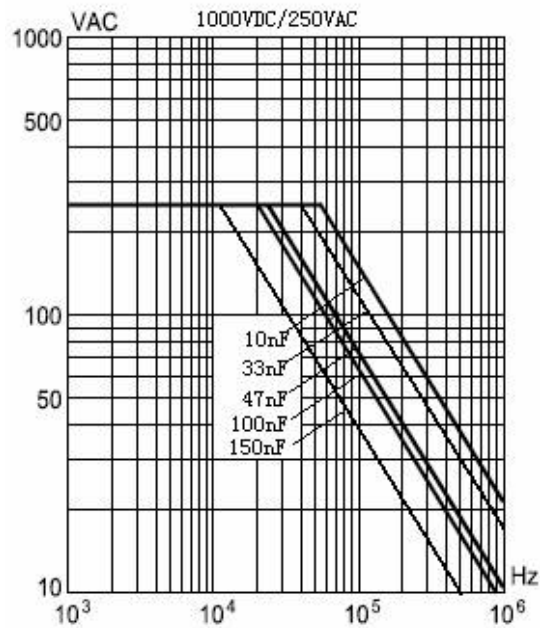
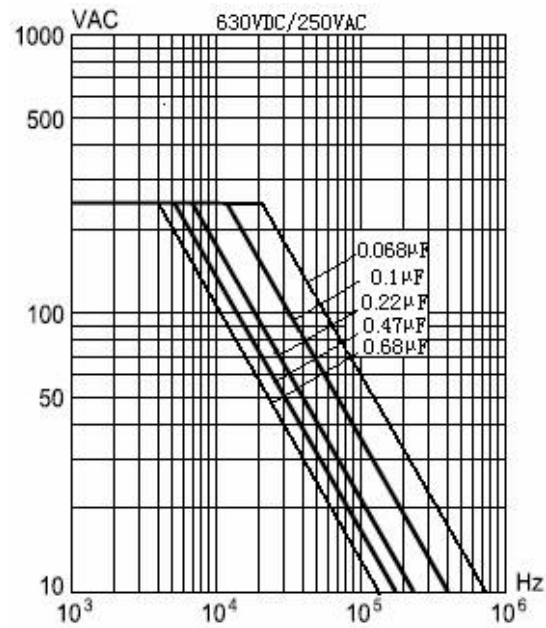
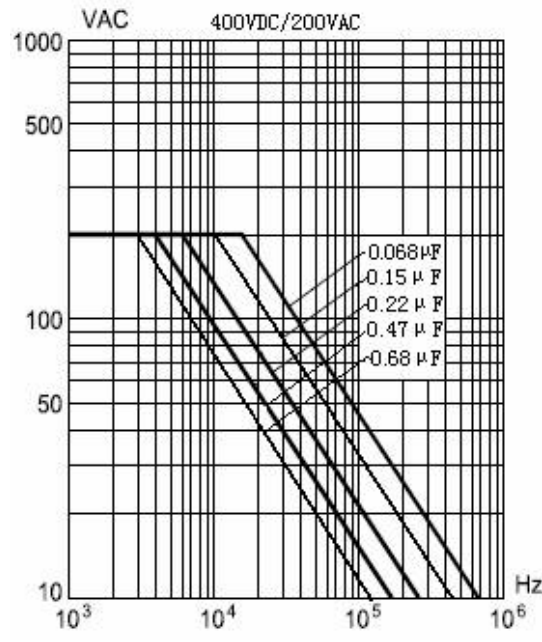
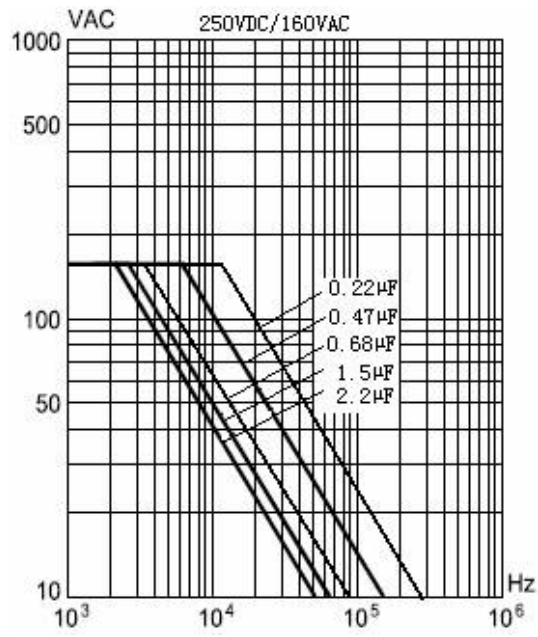
	P04202015
	FI20605
KEMA	2073992.01

Factor	$\geq 1.0\mu\text{F}$	≤ 0.0010 1 KHz					
Climate Category	Temperature: 40 ± 2 Humidity: 93%RH Lasting Time: 21 Days	There is no visible damage with the clearly mark. Capacitance: C/C \leq 5% Dissipation Factor (1KHz): Increasing \leq 0.002 IR: \geq 50% of Rated Voltage					
Resistance	+ 100 , 1000h Applying Voltage: 1.25 \times Rate Voltage Capacitance: C/C \leq 10% Insulation Resistance: \geq 50% of Rated Voltage						
dv/dt (v/ μ s)	Pitch	10	15	22.5	27.5	31.5	41.5
	dv/dt	400	200	150	100	100	100

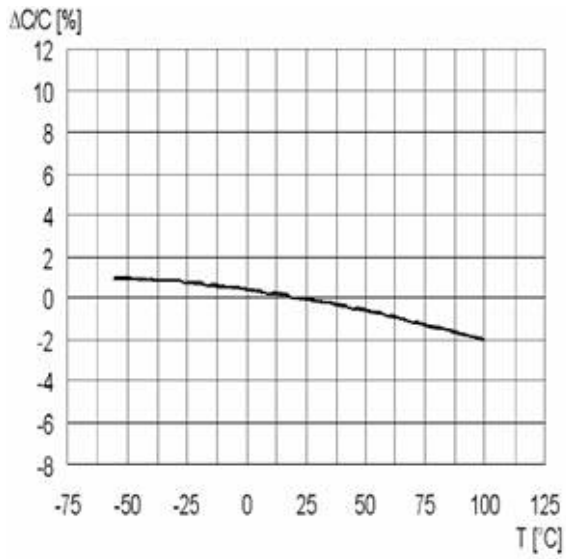
■ Outline Drawing



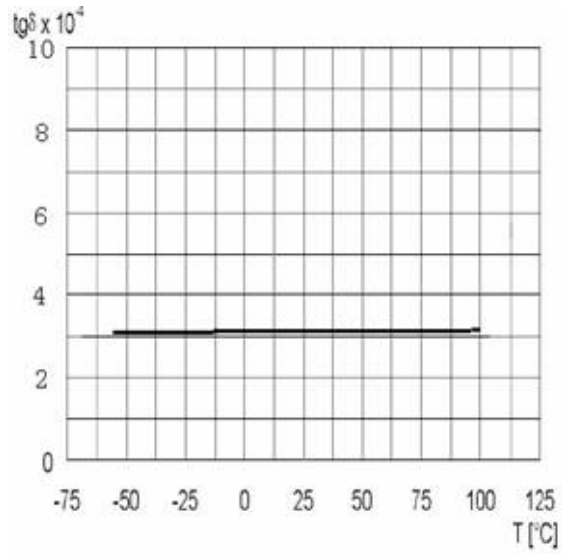
■ The Relationship of AC Voltage Proof and Frequency



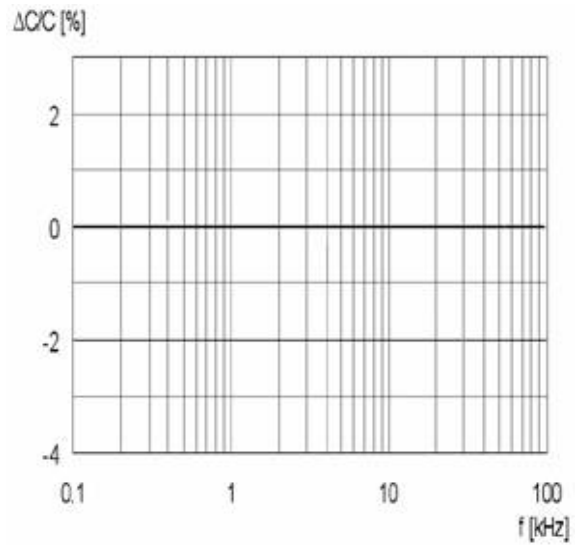
■ Characteristic Graph



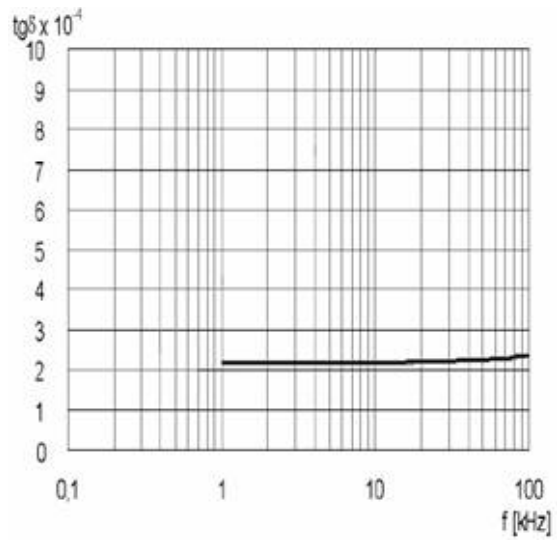
Capacitance and Temperature Graph



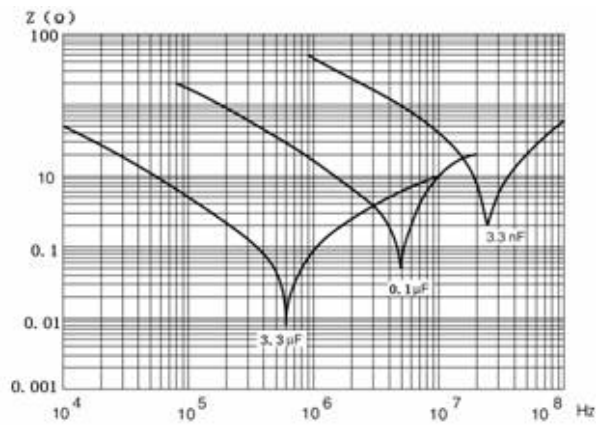
Dissipation Factor and Temperature Graph



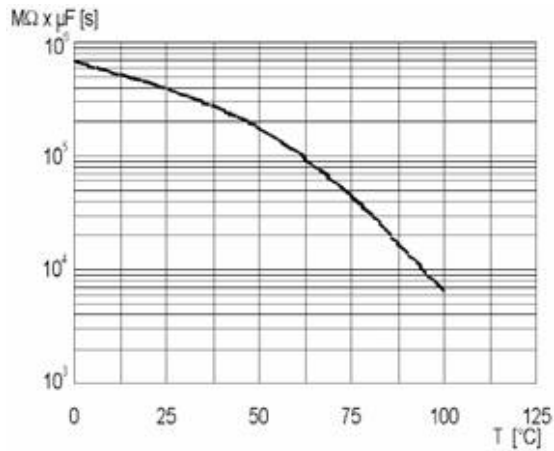
Capacitance and Frequency Graph



Dissipation Factor and Frequency Graph



Insulation Resistance and Temperature Graph



Impedance and Frequency Graph

■Dimension Lists :
MPX/MKP (X2)

Product Type		Item's No	Dimensions (mm)				
Capacitance	μF		W ± 0.5	T ± 0.5	H ± 0.5	P ± 1.0	d ± 0.05
250VAC/280VAC							
222	0.0022	MP2222K3C10	12.0	4.0	9.0	10	0.6
272	0.0027	MP2272K3C10	12.0	4.0	9.0	10	0.6
332	0.0033	MP2332K3C10	12.0	4.0	9.0	10	0.6
392	0.0039	MP2392K3C10	12.0	4.0	9.0	10	0.6
472	0.0047	MP2472K3C10	12.0	4.0	9.0	10	0.6
562	0.0056	MP2562K3C10	12.0	4.0	9.0	10	0.6
682	0.0068	MP2682K3C10	12.0	4.0	9.0	10	0.6
822	0.0082	MP2822K3C10	12.0	4.0	9.0	10	0.6
103	0.01	MP2103K3C10	12.0	4.0	9.0	10	0.6
123	0.012	MP2123K3C10	12.0	4.0	9.0	10	0.6
153	0.015	MP2153K3C10	12.0	4.0	9.0	10	0.6
183	0.018	MP2183K3C10	12.0	4.0	9.0	10	0.6
223	0.022	MP2223K3C10	12.0	4.0	9.0	10	0.6

273	0.027	MP2273K3C20	13.0	5.0	11.0	10	0.6
333	0.033	MP2333K3C20	13.0	5.0	11.0	10	0.6
393	0.039	MP2393K3C30	13.0	6.0	12.0	10	0.6
473	0.047	MP2473K3C30	13.0	6.0	12.0	10	0.6
563	0.056	MP2563K3C30	13.0	6.0	12.0	10	0.6
683	0.068	MP2683K3C30	13.0	6.0	12.0	10	0.6
823	0.082	MP2823K3C30	13.0	6.0	12.0	10	0.6
104	0.1	MP2104K3C30	13.0	6.0	12.0	10	0.6
223	0.022	MP2223K3D10	18.0	5.0	11.0	15	0.6
273	0.027	MP2273K3D10	18.0	5.0	11.0	15	0.6
333	0.033	MP2333K3D10	18.0	5.0	11.0	15	0.6
393	0.039	MP2393K3D10	18.0	5.0	11.0	15	0.6
473	0.047	MP2473K3D10	18.0	5.0	11.0	15	0.6
563	0.056	MP2563K3D10	18.0	5.0	11.0	15	0.6
683	0.068	MP2683K3D10	18.0	5.0	11.0	15	0.6
823	0.082	MP2823K3D10	18.0	5.0	11.0	15	0.6
104	0.1	MP2104K3D20	18.0	6.0	12.0	15	0.8
124	0.12	MP2124K3D20	18.0	6.0	12.0	15	0.8
154	0.15	MP2154K3D30	18.0	7.5	13.5	15	0.8
184	0.18	MP2184K3D30	18.0	7.5	13.5	15	0.8
224	0.22	MP2224K3D40	18.0	8.4	14.5	15	0.8
274	0.27	MP2274K3D40	18.0	8.4	14.5	15	0.8
334	0.33	MP2334K3D50	18.0	9.5	15.5	15	0.8
394	0.39	MP2394K3D50	18.0	9.5	15.5	15	0.8
474	0.47	MP2474K3DA0	18.0	10.0	15.8	15	0.8
564	0.56	MP2564K3D70	18.0	10.8	19.0	15	0.8
154	0.15	MP2154K3E10	26.5	6.0	15.0	22.5	0.8
184	0.18	MP2184K3E10	26.5	6.0	15.0	22.5	0.8
224	0.22	MP2224K3E20	26.5	7.0	16.5	22.5	0.8
274	0.27	MP2274K3E20	26.5	7.0	16.5	22.5	0.8

334	0.33	MP2334K3E30	26.5	8.5	17.0	22.5	0.8
394	0.39	MP2394K3E40	26.5	10.0	19.0	22.5	0.8
474	0.47	MP2474K3E40	26.5	10.0	19.0	22.5	0.8
564	0.56	MP2564K3E50	26.0	11.0	20.0	22.5	0.8
684	0.68	MP2684K3E60	26.0	12.0	21.5	22.5	0.8
824	0.82	MP2824K3E60	26.0	12.0	21.5	22.5	0.8
105	1.0	MP2105K3E60	26.0	12.0	21.5	22.5	0.8
564	0.56	MP2564K3F10	31.5	10.8	19.5	27.5	0.8
684	0.68	MP2684K3F10	31.5	10.8	19.5	27.5	0.8
824	0.82	MP2824K3F10	31.5	10.8	19.5	27.5	0.8
105	1.0	MP2105K3F20	31.5	13.0	21.5	27.5	0.8
125	1.2	MP2125K3F30	31.0	13.0	21.5	27.5	0.8
155	1.5	MP2155K3F20	31.0	13.0	21.5	27.5	0.8
155	1.5	MP2155K3F40	32.0	16.0	25.5	27.5	0.8
185	1.8	MP2185K3F70	32.0	18.0	16.0	27.5	0.8
205	2.0	MP2205K3F70	32.0	18.0	26.0	27.5	0.8
225	2.2	MP2225K3F70	32.0	18.0	26.0	27.5	0.8
255	2.5	MP2255K3F80	32.0	22.0	31.0	27.5	0.8
275	2.7	MP2275K3F80	32.0	22.0	31.0	27.5	0.8
125	1.2	MP2125K3TBO	38.0	14.0	23.0	31.5	0.8
155	1.5	MP2155K3FAO	36.5	15.4	26.3	31.5	0.8
185	1.8	MP2185K3TAO	38.0	18.0	28.0	31.5	0.8
205	2.0	MP2205K3TAO	38.0	18.0	28.0	31.5	0.8
225	2.2	MP2225K3TDO	38.0	20.0	30.0	31.5	0.8
255	2.5	MP2255K3TDO	38.0	20.0	30.0	31.5	0.8
305	3.0	MP2305K3TCO	38.8	21.7	31.3	31.5	0.8
335	3.3	MP2335K3TCO	38.8	21.7	31.3	31.5	0.8
405	4.0	MP2405K3TEO	48.0	30.0	30.0	41.5	1.0
475	4.7	MP2475K3TEO	48.0	30.0	30.0	41.5	1.0

P.S.: All the dimensions above are for your reference, the real ones are according to our specification documents; Please contact with us if you have any other questions such as the Absolute Rating etc.