

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

MPX2 275/305VAC

X2金属化聚丙烯膜安规电容器

INTRODUCTION

MPX2 type capacitors are non-inductively wound with metallized polypropylene film as dielectric and encapsulated in self-extinguishing material meeting the requirements of UL94V-0.

APPLICATIONS

Interference suppression, across-the-line capacitor, EMI filter, spark-killer application in class X2. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

FEATURES

10 to 27.5 mm lead pitch. Supplied loose in bag or box.

Self-healing properties.

High temperature (110°C).

Over voltage stress withstanding.

Flame-retard plastic case and resin.

RoHS-compliant product.

SPECIFICATIONS

Rated voltage: 275/305VAC

Rated frequency: 50/60Hz

Capacitance range: 0.01~3.3μF

Capacitance tolerance: ±20%, ±10%

Operating temperature: -40°C -- +110°C.

Climatic category: 40/110/56/B

Dissipation factor(DF): <0.001 at 1KHz, 25°C.

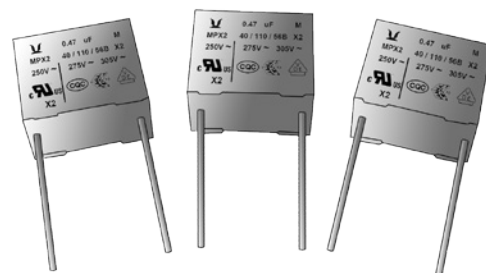
Test voltage between terminal:
1311.5Vdc1min or 2000Vdc 2s

Test voltage between terminal and case:
2050VAC for 1minute

Insulation resistance(IR):
C< 0.33μF, IR>15000MΩ
C>0.33μF, IR>5000 ΩF

In DC application: Recommended voltage 560VDC

Max dv/dt (V/μs): 100V



APPROVALS

Mark	Structure	Vr
	UL	250
	VDE	275 305
	CQC	275 305
	VDE	275 305
	ENEC	305

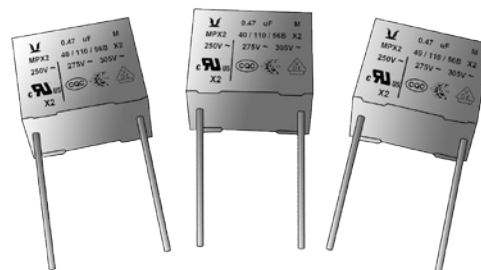
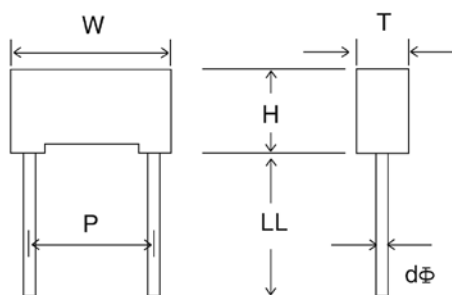
Marking:

- Eurotronic trademark: 
- Capacitance value and tolerance code
- Type code: MPX2
- Class: X2
- Rated voltage
- IEC climatic category
- Approval marks
- Manufacturing date code

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

MPX2 275/305VAC

X2金属化聚丙烯膜安规电容器



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch:10/15mm

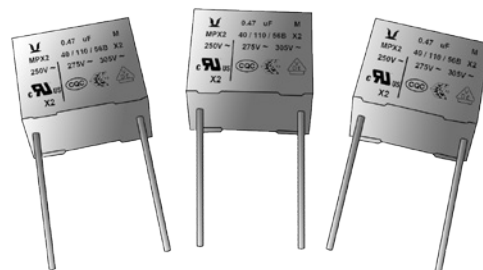
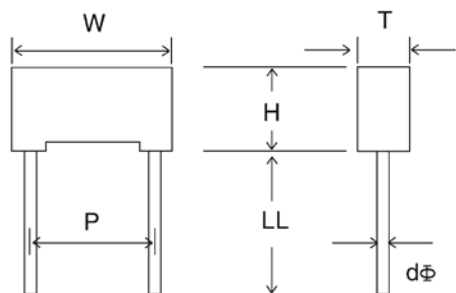
C.(uF)	W	H	T	P	D	Case
0.01	13.0	11.0	5.0	10.0	0.6	C2
0.012	13.0	11.0	5.0	10.0	0.6	C2
0.015	13.0	11.0	5.0	10.0	0.6	C2
0.018	13.0	11.0	5.0	10.0	0.6	C2
0.022	13.0	11.0	5.0	10.0	0.6	C2
0.027	13.0	11.0	5.0	10.0	0.6	C2
0.033	13.0	11.0	5.0	10.0	0.6	C2
0.039	13.0	11.0	5.0	10.0	0.6	C2
0.047	13.0	11.0	5.0	10.0	0.6	C2
0.047	13.0	12.0	6.0	10.0	0.6	C3
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	C3
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	C3
0.82	13.0	12.0	6.0	10.0	0.6	C3
0.1	13.0	12.0	6.0	10.0	0.6	C3
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	D1
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 Suppressor Class X-2)

MPX2 275/305VAC

X2金属化聚丙烯膜安规电容器



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch:22.5/27.5mm

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	E3
0.68	26.0	19.0	10.0	22.5	0.8	E4
0.82	26.0	19.0	10.0	22.5	0.8	E4
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

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	9.5	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

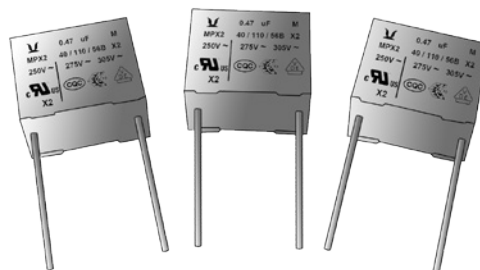
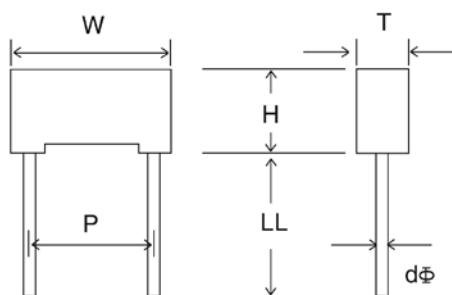
"IEC 60384-14:2005 3rd edition and EN60384-14:2005"

"IEC 60065,pass .flamm.class B"

MPX2 275/305VAC

X2小型化金属化聚丙烯膜安规电容器

For Adapter Use



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch: 7.5/10/12.5mm

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

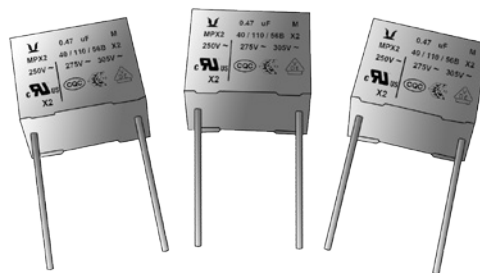
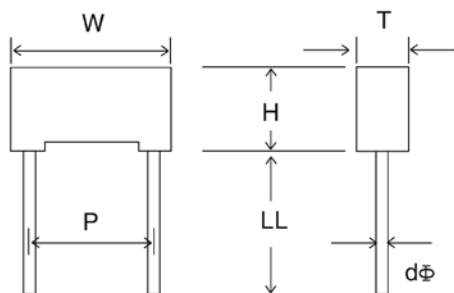
"IEC 60384-14:2005 3rd edition and EN60384-14:2005"

"IEC 60065, pass.flamm.class B"

MPX2 275/305VAC

X2小型化金属化聚丙烯膜安规电容器

For Adapter Use



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch: 15.0/22.5/27.5mm

C.(uF)	W	H	T	P	D	Case
0.0470	18.0	9.0	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

C.(uF)	W	H	T	P	D	Case
0.560	26.0	16.5	7.0	22.5	0.8	E2
0.560	26.0	14.0	7.0	22.5	0.8	E2-1
0.680	26.0	16.5	7.0	22.5	0.8	E2
0.680	26.0	15.0	7.5	22.5	0.8	E2-3
0.82	26.0	16.0	8.0	22.5	0.8	E3-1
0.82	26.0	18.0	9.0	22.5	0.8	E3-2
1.00	26.0	18.0	9.0	22.5	0.8	E3-2
1.00	26.0	17.0	9.0	22.5	0.8	E3-3
1.00	26.0	19.0	10.0	22.5	0.8	E4
1.20	26.0	19.5	9.0	22.5	0.8	E4-1
1.50	26.0	21.0	10.0	22.5	0.8	E4-2
1.80	26.0	23.0	13.0	22.5	0.8	E7
1.80	26.0	24.0	14.0	22.5	0.8	E8
2.20	26.0	24.0	14.0	22.5	0.8	E8
2.20	26.0	22.0	15.0	22.5	0.8	E9-2
0.47	31.0	13.5	6.0	27.5	0.8	F0-1
0.56	31.0	14.5	6.5	27.5	0.8	F0-2
0.68	31.0	15.5	6.5	27.5	0.8	F0-3
0.82	31.0	16.0	7.5	27.5	0.8	F0-4
1.00	31.0	17.0	8.0	27.5	0.8	F0-5
1.50	31.0	19.0	10.0	27.5	0.8	F1-2
2.20	31.0	22.0	13.0	27.5	0.8	F2

REFERENCE STANDARDS

"IEC 60384-14:2005 3rd edition and EN60384-14:2005"

"IEC 60065, pass.flamm.class B"

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

MPX2 275/305VAC

X2金属化聚丙烯膜安规大容量电容器

INTRODUCTION

MPX2 type capacitors are non-inductively wound with metallized polypropylene film as dielectric and encapsulated in self-extinguishing material meeting the requirements of UL94V-0.

APPLICATIONS

Interference suppression, across-the-line capacitor, EMI filter, spark-killer application in class X2. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

FEATURES

27.5 to 37.5 mm lead pitch. Supplied loose in bag or box.

Self-healing properties.

High temperature (110°C).

Over voltage stress withstanding.

Flame-retard plastic case and resin.

RoHS-compliant product.

SPECIFICATIONS

Rated voltage: 275/305VAC

Rated frequency: 50/60Hz

Capacitance range: 3.9~10.0μF

Capacitance tolerance: ±20%, ±10%

Operating temperature: -40°C -- +110°C.

Climatic category: 40/110/56/B

Dissipation factor(DF): <0.001 at 1KHz, 25°C.

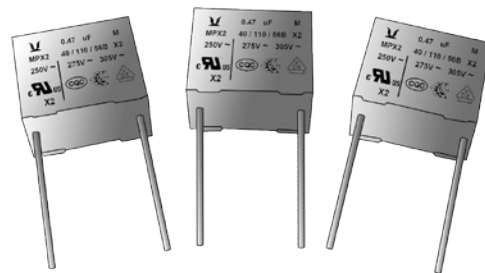
Test voltage between terminal:
1311.5Vdc1min or 2000Vdc 2s

Test voltage between terminal and case:
2050VAC for 1minute

Insulation resistance(IR):
C< 0.33μF, IR>15000MΩ
C>0.33μF, IR>5000 ΩF

In DC application: Recommended voltage 560VDC

Max dv/dt (V/μs): 100V



APPROVALS

Mark	Structure	Vr
	UL	250
	VDE	275
	ENEC	305

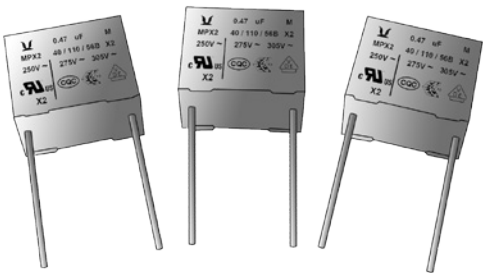
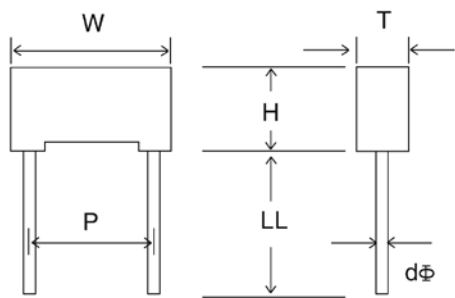
Marking:

- Eurotronic trademark: 
- Capacitance value and tolerance code
- Type code: MPX2
- Class: X2
- Rated voltage
- IEC climatic category
- Approval marks
- Manufacturing date code

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

MPX2 275/305VAC

X2金属化聚丙烯膜安规大容量电容器



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch:27.5 / 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