

WIMA MKP-X2



**Metallized Polypropylene (PP)
RFI-Capacitors Class X2
PCM 7.5 mm to 27.5 mm**

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Special Features

- Reliable self-healing
- High degree of interference suppression due to good attenuation and low ESR
- According to RoHS 2002/95/EC

Typical Applications

Class X2 RFI applications to meet EMC regulations

- Capacitors connected to the mains between phase and neutral or phase conductors
- Installation category II in accordance with IEC 60664, pulse peak voltage ≤ 2.5 kV

Construction

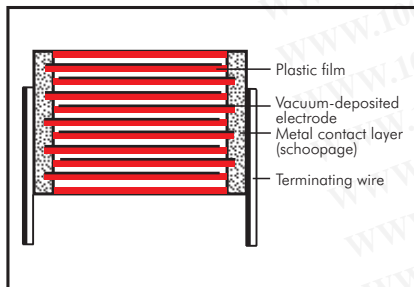
Dielectric:

Polypropylene (PP) film

Capacitor electrodes:

Vacuum-deposited

Internal construction:



Encapsulation:

Solvent-resistant, flame-retardent plastic case with epoxy resin seal, UL 94 V-0

Terminations:

Tinned wire.

Marking:

Colour: Red. Marking: Black.

Electrical Data

Capacitance range:

1000 pF to 2.2 μ F

Rated voltages:

275 VAC

Capacitance tolerances:

$\pm 20\%$, $\pm 10\%$

Operating temperature range:

-55°C to $+105^{\circ}\text{C}$

Climatic test category:

55/105/56/B in accordance with IEC

Insulation resistance at $+20^{\circ}\text{C}$:

$C \leq 0.33 \mu\text{F}$: $\geq 15 \times 10^3 \text{ M}\Omega$

$C > 0.33 \mu\text{F}$: $\geq 5000 \text{ sec } (\text{M}\Omega \times \mu\text{F})$

Measuring voltage: 100 V/1 min.

Dissipation factors at $+20^{\circ}\text{C}$: $\tan \delta$

at f	$C \leq 0.1 \mu\text{F}$	$0.1 \mu\text{F} < C \leq 1.0 \mu\text{F}$	$C > 1.0 \mu\text{F}$
1 kHz	$\leq 10 \times 10^{-4}$	$\leq 20 \times 10^{-4}$	$\leq 30 \times 10^{-4}$
10 kHz	$\leq 20 \times 10^{-4}$	$\leq 60 \times 10^{-4}$	—
100 kHz	$\leq 90 \times 10^{-4}$	—	—

Approvals:

Country	Authority	Specification	Symbol	Approval-No.
Germany	VDE	DIN EN 132400 IEC 60384-14/2		40003472
USA/Canada	UL	UL 1414 (250 VAC) C 22.2 No. 1 (250 VAC)		E 134915
USA/Canada	UL	UL 1283 (305 VAC) C 22.2 No. 8 (305 VAC)		E 100438

Mechanical Tests

Pull test on leads:

10 N in direction of leads
according to IEC 60068-2-21

Vibration:

6 hours at 10...2000 Hz and 0.75 mm displacement amplitude or 10 g in accordance with IEC 60068-2-6

Low air density:

1 kPa = 10 mbar in accordance with IEC 60068-2-13

Bump test:

4000 bumpst at 390 m/sec² in accordance with IEC 60068-2-29

Packing

Available taped and reeled up to and including case size 15 x 26 x 31.5 / PCM 27.5 mm.

Detailed taping information and graphs at the end of the catalogue.

For further details and graphs please refer to Technical Information.

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Continuation

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General Data

Capacitance	W	H	L	PCM**
1000 pF	4	9	10	7.5
1500 "	4	9	10	7.5
2200 "	4	9	10	7.5
3300 "	4	9	10	7.5
4700 "	4	9	10	7.5
6800 "	4	9	10	7.5
0.01 μF	4	9	10	7.5*
	5	11	13	10*
0.015 "	4	9	10	7.5*
	5	11	13	10*▲
0.022 "	4	9	10	7.5*
	5	11	13	10▲
0.033 "	5	10.5	10.3	7.5*▲
	5	11	13	10*▲
0.047 "	5.7	12.5	10.3	7.5*▲
	6	12.5	13	10*▲
0.068 "	6	12.5	13	10▲
0.1 μF	8	12	13	10*▲
	5	11	18	15*▲
	6	12.5	18	15*▲
0.15 "	6	12.5	18	15*▲
	7	14	18	15*▲
0.22 "	9	14	18	15*
	8	15	18	15*▲
0.33 "	11	14	18	15*
	9	16	18	15*▲
0.47 "	8.5	18.5	26.5	22.5*▲
	10.5	19	26.5	22.5*▲
0.68 "	10.5	19	26.5	22.5*▲
	11	21	26.5	22.5*▲
1.0 μF	11	21	26.5	22.5*▲
	13	24	31.5	27.5*▲
1.5 "	15	26	31.5	27.5▲
2.2 "	17	29	31.5	27.5

* f = 50/60 Hz

** PCM = Printed circuit module = lead spacing

■ Certified for 250 VAC in accordance with UL/CSA.

▲ Additionally certified for 305 VAC in accordance with UL/CSA.

* On ordering please state the required PCM and box size.
 If not specified, smaller PCM or box size will be booked.

Dims. in mm.

Taped version see page 100.

Rights reserved to amend design data without prior notification.

d = 0.7 ø if PCM < 15
 d = 0.8 ø if PCM ≥ 15

