

# DESIGN KIT

## WCAP-FTXX MKP Film Capacitors X2 310 V AC



### SIZE:

7.5 ~ 37.5mm Pitch

### TECHNICAL DATA:

Capacitance Range: 0.01 ~ 6.8  $\mu$ F  
 $R_{iso}$ : > 10000  $M\Omega \cdot \mu$ F ~ > 30000  $M\Omega$   
 $dV/dt$ : 110 ~ 500V/ $\mu$ S  
 Capacitance Tolerance: 10%  
 Climate Category: 40/105/56/B

### APPROVALS:

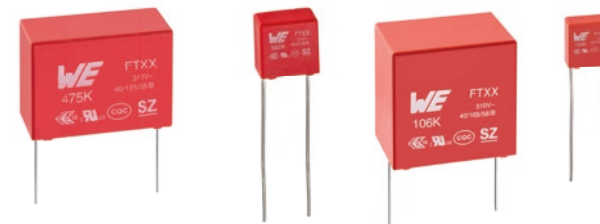
ENEC10 by VDE, cULus, CQC

**Order Code 890 334**

**Version 1.1**

# WCAP-FTXX

## MKP Film Capacitors X2 310 V AC



<b>890 334 022 007</b>	
<b>MXXP075153K310ASPB15000</b>	
C:	0.015 $\mu$ F
R <sub>ISO</sub> :	> 30000 M $\Omega$
dV/dt:	500 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.10 % @ 100 kHz < 0.50 %

<b>890 334 022 017</b>	
<b>MXXP075683K310ASPB15000</b>	
C:	0.068 $\mu$ F
R <sub>ISO</sub> :	> 30000 M $\Omega$
dV/dt:	400 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.10 % @ 100 kHz < 0.50 %

<b>890 334 023 006</b>	
<b>MXXP010103K310ASPB16000</b>	
C:	0.01 $\mu$ F
R <sub>ISO</sub> :	> 30000 M $\Omega$
dV/dt:	500 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.10 % @ 100 kHz < 0.50 %

<b>890 334 023 015</b>	
<b>MXXP010473K310ASPB15000</b>	
C:	0.047 $\mu$ F
R <sub>ISO</sub> :	> 30000 M $\Omega$
dV/dt:	300 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.10 % @ 100 kHz < 0.50 %

<b>890 334 023 025</b>	
<b>MXXP010154K310ASPB15000</b>	
C:	0.15 $\mu$ F
R <sub>ISO</sub> :	> 30000 M $\Omega$
dV/dt:	300 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.20 % @ 100 kHz < 2.00 %

<b>890 334 024 002</b>	
<b>MXXP125224K310ASPB15000</b>	
C:	0.22 $\mu$ F
R <sub>ISO</sub> :	> 30000 M $\Omega$
dV/dt:	240 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.20 % @ 100 kHz < 2.00 %

<b>890 334 024 005</b>	
<b>MXXP125474K310ASPB15000</b>	
C:	0.47 $\mu$ F
R <sub>ISO</sub> :	> 10000 M $\Omega$ * $\mu$ F
dV/dt:	280 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.20 % @ 100 kHz < 2.00 %

<b>890 334 025 006</b>	
<b>MXXP015333K310ASPB15000</b>	
C:	0.033 $\mu$ F
R <sub>ISO</sub> :	> 30000 M $\Omega$
dV/dt:	300 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.10 % @ 100 kHz < 0.50 %

<b>890 334 025 017</b>	
<b>MXXP015104K310ASPB15000</b>	
C:	0.1 $\mu$ F
R <sub>ISO</sub> :	> 30000 M $\Omega$
dV/dt:	300 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.10 % @ 100 kHz < 0.50 %

<b>890 334 025 045</b>	
<b>MXXP015684K310ASPB15000</b>	
C:	0.68 $\mu$ F
R <sub>ISO</sub> :	> 10000 M $\Omega$ * $\mu$ F
dV/dt:	230 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.70 %

<b>890 334 026 018</b>	
<b>MXXP225564K310ASPB46000</b>	
C:	0.56 $\mu$ F
R <sub>ISO</sub> :	> 10000 M $\Omega$ * $\mu$ F
dV/dt:	160 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.70 %

<b>890 334 026 027</b>	
<b>MXXP225105K310ASPB46000</b>	
C:	1.0 $\mu$ F
R <sub>ISO</sub> :	> 10000 M $\Omega$ * $\mu$ F
dV/dt:	170 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.70 %

<b>890 334 027 006</b>	
<b>MXXP275684K310ASPB56000</b>	
C:	0.68 $\mu$ F
R <sub>ISO</sub> :	> 10000 M $\Omega$ * $\mu$ F
dV/dt:	170 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.70 %

<b>890 334 027 025</b>	
<b>MXXP275335K310ASPB55000</b>	
C:	3.3 $\mu$ F
R <sub>ISO</sub> :	> 10000 M $\Omega$ * $\mu$ F
dV/dt:	130 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.70 %

<b>890 334 028 008</b>	
<b>MXXP375685K310ASPB65000</b>	
C:	6.8 $\mu$ F
R <sub>ISO</sub> :	> 10000 M $\Omega$ * $\mu$ F
dV/dt:	110 V/ $\mu$ S
DF:	@ 1 kHz < 0.10 % @ 10 kHz < 0.70 %

### Approvals

ENEC 10 by VDE  
DIN EN 60384 - 14  
(VDE 0565 Part 1-1): 2006 - 04  
EN 60384 - 14: 2005 - 08  
IEC 60384 - 14 (ed.3)  
cULus  
UL 60384 - 14  
CAN/CSA - E60384 - 14  
CQC 13001104050  
GB/T14472 - 1998



### Technical Data

Capacitance Tolerance: 10 %  
Climate Category: 40/105/56/B

- Pitch 7.5 mm
- Pitch 10.0 mm
- Pitch 12.5 mm
- Pitch 15.0 mm
- Pitch 22.5 mm
- Pitch 27.5 mm
- Pitch 37.5 mm

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**All articles are standard  
with 4 ± 0.5 mm pin length\***

\*As standard we deliver our product with cut pins of 4 ± 0.5 mm. For ordering the cut version please add "CS" to WE part number. These parts are available ex stock. The straight pin version as given in the Design Kit has a pin length of min. 20 mm and is available on request.

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