



# 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:**

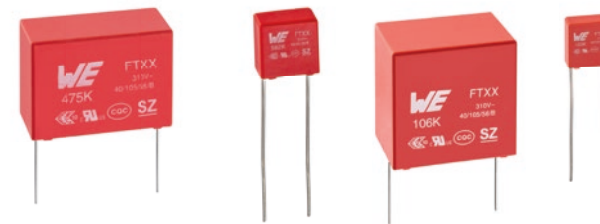
ENEC10 by VDE, cULus, CQC

**Order Code 890 334**

**Version 1.1**

# WCAP-FTXX

## MKP Film Capacitors X2 310 V AC



**890 334 022 007** ■

**MXXP075153K310ASPB15000**

C: 0.015  $\mu$ F

$R_{iso}$ : > 30000 M $\Omega$

dV/dt: 500 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.10 %  
@ 100 kHz < 0.50 %

**890 334 022 017** ■

**MXXP075683K310ASPB15000**

C: 0.068  $\mu$ F

$R_{iso}$ : > 30000 M $\Omega$

dV/dt: 400 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.10 %  
@ 100 kHz < 0.50 %

**890 334 023 006** ■

**MXXP010103K310ASPB16000**

C: 0.01  $\mu$ F

$R_{iso}$ : > 30000 M $\Omega$

dV/dt: 500 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.10 %  
@ 100 kHz < 0.50 %

**890 334 023 015** ■

**MXXP010473K310ASPB15000**

C: 0.047  $\mu$ F

$R_{iso}$ : > 30000 M $\Omega$

dV/dt: 300 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.10 %  
@ 100 kHz < 0.50 %

**890 334 023 025** ■

**MXXP010154K310ASPB15000**

C: 0.15  $\mu$ F

$R_{iso}$ : > 30000 M $\Omega$

dV/dt: 300 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.20 %  
@ 100 kHz < 2.00 %

**890 334 024 002** ■

**MXXP125224K310ASPB15000**

C: 0.22  $\mu$ F

$R_{iso}$ : > 30000 M $\Omega$

dV/dt: 240 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.20 %  
@ 100 kHz < 2.00 %

**890 334 024 005** ■

**MXXP125474K310ASPB15000**

C: 0.47  $\mu$ F

$R_{iso}$ : > 10000 M $\Omega$ \* $\mu$ F

dV/dt: 280 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.20 %  
@ 100 kHz < 2.00 %

**890 334 025 006** ■

**MXXP015333K310ASPB15000**

C: 0.033  $\mu$ F

$R_{iso}$ : > 30000 M $\Omega$

dV/dt: 300 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.10 %  
@ 100 kHz < 0.50 %

**890 334 025 017** ■

**MXXP015104K310ASPB15000**

C: 0.1  $\mu$ F

$R_{iso}$ : > 30000 M $\Omega$

dV/dt: 300 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.10 %  
@ 100 kHz < 0.50 %

**890 334 025 045** ■

**MXXP015684K310ASPB15000**

C: 0.68  $\mu$ F

$R_{iso}$ : > 10000 M $\Omega$ \* $\mu$ F

dV/dt: 230 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.70 %

**890 334 026 018** ■

**MXXP225564K310ASPB46000**

C: 0.56  $\mu$ F

$R_{iso}$ : > 10000 M $\Omega$ \* $\mu$ F

dV/dt: 160 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.70 %

**890 334 026 027** ■

**MXXP225105K310ASPB46000**

C: 1.0  $\mu$ F

$R_{iso}$ : > 10000 M $\Omega$ \* $\mu$ F

dV/dt: 170 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.70 %

**890 334 027 006** ■

**MXXP275684K310ASPB56000**

C: 0.68  $\mu$ F

$R_{iso}$ : > 10000 M $\Omega$ \* $\mu$ F

dV/dt: 170 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.70 %

**890 334 027 025** ■

**MXXP275335K310ASPB55000**

C: 3.3  $\mu$ F

$R_{iso}$ : > 10000 M $\Omega$ \* $\mu$ F

dV/dt: 130 V/ $\mu$ S

DF: @ 1 kHz < 0.10 %  
@ 10 kHz < 0.70 %

**890 334 028 008** ■

**MXXP375685K310ASPB65000**

C: 6.8  $\mu$ F

$R_{iso}$ : > 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

EMC COMPONENTS | INDUCTORS | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | **CAPACITORS** | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | POWER ELEMENTS

**Important information:** Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

Please check datasheets on [www.we-online.com](http://www.we-online.com) for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2014

[www.we-online.com](http://www.we-online.com)

**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.