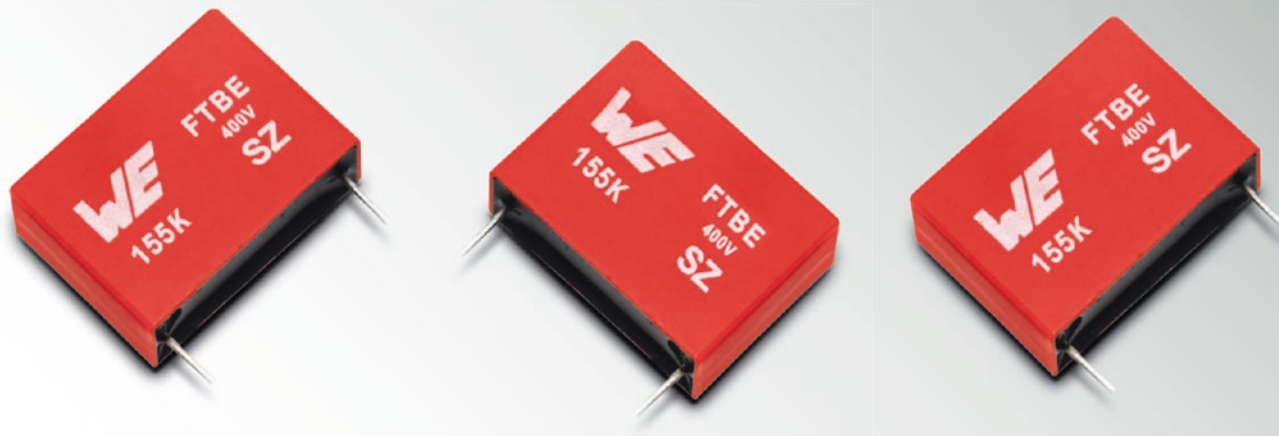




## DESIGN KIT

# WCAP-FTBE DC Film Capacitors

MKT – Metallized Polyester

**SIZE:**

7.5 – 37.5 mm Pitch

**TECHNICAL DATA:**

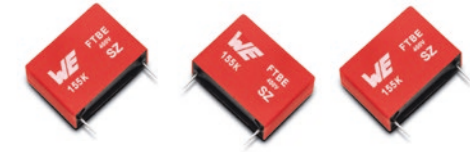
Capacitance Range: 10 – 6800 nF  
Capacitance Tolerance: 10 %  
Rated Voltages: 100 – 1000 V<sub>DC</sub>

**Order Code 890 020****Version 1.0**

# DESIGN KIT

## WCAP-FTBE DC Film Capacitors

MKT – Metallized Polyester



890 273 422 002 CS	
<b>MPSP075224K250DCPB15004</b>	
C:	220 nF
U <sub>R</sub> :	250 V <sub>DC</sub>
U <sub>RMS</sub> :	90 V <sub>AC</sub>
R <sub>ISO</sub> :	> 9,000 MΩ
dV/dt:	38 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.4 %
	@ 100 kHz 2.4 %

890 283 422 005 CS	
<b>MPSP075154K400DCPB15004</b>	
C:	150 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	200 V <sub>AC</sub>
R <sub>ISO</sub> :	> 9,000 MΩ
dV/dt:	46 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.4 %
	@ 100 kHz 2.3 %

890 493 422 002 CS	
<b>MPSP075103KA00DCPB15004</b>	
C:	10 nF
U <sub>R</sub> :	1000 V <sub>DC</sub>
U <sub>RMS</sub> :	250 V <sub>AC</sub>
R <sub>ISO</sub> :	> 9,000 MΩ
dV/dt:	160 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.4 %
	@ 100 kHz 2.2 %

890 283 423 001 CS	
<b>MPSP010104K400DCPB15004</b>	
C:	100 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	200 V <sub>AC</sub>
R <sub>ISO</sub> :	> 9,000 MΩ
dV/dt:	34 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.4 %
	@ 100 kHz 2.4 %

890 303 423 005 CS	
<b>MPSP010683K630DCPB15004</b>	
C:	68 nF
U <sub>R</sub> :	630 V <sub>DC</sub>
U <sub>RMS</sub> :	220 V <sub>AC</sub>
R <sub>ISO</sub> :	> 9,000 MΩ
dV/dt:	52 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.4 %
	@ 100 kHz 2.3 %

890 263 425 004 CS	
<b>MPSP015225K100DCPB15004</b>	
C:	2200 nF
U <sub>R</sub> :	100 V <sub>DC</sub>
U <sub>RMS</sub> :	63 V <sub>AC</sub>
R <sub>ISO</sub> :	> 3,000 MΩ*μF
dV/dt:	9 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.6 %
	@ 100 kHz 5 %

890 273 425 007 CS	
<b>MPSP015105K250DCPB15004</b>	
C:	1000 nF
U <sub>R</sub> :	250 V <sub>DC</sub>
U <sub>RMS</sub> :	90 V <sub>AC</sub>
R <sub>ISO</sub> :	> 3,000 MΩ*μF
dV/dt:	11 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.5 %
	@ 100 kHz 4.3 %

890 283 425 008 CS	
<b>MPSP015684K400DCPB15004</b>	
C:	680 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	200 V <sub>AC</sub>
R <sub>ISO</sub> :	> 3,000 MΩ*μF
dV/dt:	18 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.5 %
	@ 100 kHz 3.8 %

890 493 425 009 CS	
<b>MPSP015104KA00DCPB15004</b>	
C:	100 nF
U <sub>R</sub> :	1000 V <sub>DC</sub>
U <sub>RMS</sub> :	250 V <sub>AC</sub>
R <sub>ISO</sub> :	> 9,000 MΩ
dV/dt:	44 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.4 %
	@ 100 kHz 2.5 %

890 263 426 003 CS	
<b>MPSP225335K100DCPB45004</b>	
C:	3300 nF
U <sub>R</sub> :	100 V <sub>DC</sub>
U <sub>RMS</sub> :	63 V <sub>AC</sub>
R <sub>ISO</sub> :	> 3,000 MΩ*μF
dV/dt:	5 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 2.1 %
	@ 100 kHz 10 %

890 283 426 008 CS	
<b>MPSP225105K400DCPB45004</b>	
C:	1000 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	200 V <sub>AC</sub>
R <sub>ISO</sub> :	> 3,000 MΩ*μF
dV/dt:	13 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.6 %
	@ 100 kHz 4.8 %

890 493 426 011 CS	
<b>MPSP225224KA00DCPB45004</b>	
C:	220 nF
U <sub>R</sub> :	1000 V <sub>DC</sub>
U <sub>RMS</sub> :	250 V <sub>AC</sub>
R <sub>ISO</sub> :	> 9,000 MΩ
dV/dt:	27 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.5 %
	@ 100 kHz 3.6 %

890 303 427 009 CS	
<b>MPSP275155K630DCPB55004</b>	
C:	1500 nF
U <sub>R</sub> :	630 V <sub>DC</sub>
U <sub>RMS</sub> :	220 V <sub>AC</sub>
R <sub>ISO</sub> :	> 3,000 MΩ*μF
dV/dt:	17 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.6 %
	@ 100 kHz 5.2 %

890 493 427 007 CS	
<b>MPSP275474KA00DCPB55004</b>	
C:	470 nF
U <sub>R</sub> :	1000 V <sub>DC</sub>
U <sub>RMS</sub> :	250 V <sub>AC</sub>
R <sub>ISO</sub> :	> 3,000 MΩ*μF
dV/dt:	22 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 1.5 %
	@ 100 kHz 4.3 %

890 283 428 007 CS	
<b>MPSP375685K400DCPB65004</b>	
C:	6800 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	200 V <sub>AC</sub>
R <sub>ISO</sub> :	> 3,000 MΩ*μF
dV/dt:	9 V/μS
DF:	@ 1 kHz < 1 %
	@ 10 kHz 2.3 %
	@ 100 kHz 13 %

### Technical Data

MKT – Metallized Polyester  
Climate Category: 40 / 105 / 56

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



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