



## DESIGN KIT

# WCAP-FTBP DC Film Capacitors

MKP – Metallized Polypropylene

**SIZE:**

7.5 – 27.5 mm Pitch

**TECHNICAL DATA:**

Capacitance Range: 33 – 6800 nF

Capacitance Tolerance: 5 %

Rated Voltages: 160 – 630 V<sub>DC</sub>**Order Code 890 010****Version 2.0**

# DESIGN KIT

## WCAP-FTBP DC Film Capacitors

MKP – Metallized Polypropylene



890 443 322 001 CS	
<b>MPPP075104J160DCPB15004</b>	
C:	100 nF
U <sub>R</sub> :	160 V <sub>DC</sub>
U <sub>RMS</sub> :	90 V <sub>AC</sub>
R <sub>ISO</sub> :	> 30000 MΩ
dV/dt:	300 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.1 %
	@ 100 kHz 0.26 %

890 273 322 005 CS	
<b>MPPP075154J250DCPB15004</b>	
C:	150 nF
U <sub>R</sub> :	250 V <sub>DC</sub>
U <sub>RMS</sub> :	160 V <sub>AC</sub>
R <sub>ISO</sub> :	> 30000 MΩ
dV/dt:	340 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.1 %
	@ 100 kHz 0.26 %

890 303 322 005 CS	
<b>MPPP075333J630DCPB15004</b>	
C:	33 nF
U <sub>R</sub> :	630 V <sub>DC</sub>
U <sub>RMS</sub> :	250 V <sub>AC</sub>
R <sub>ISO</sub> :	> 30000 MΩ
dV/dt:	700 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.1 %
	@ 100 kHz 0.15 %

890 273 323 004 CS	
<b>MPPP010224J250DCPB15004</b>	
C:	220 nF
U <sub>R</sub> :	250 V <sub>DC</sub>
U <sub>RMS</sub> :	160 V <sub>AC</sub>
R <sub>ISO</sub> :	> 30000 MΩ
dV/dt:	250 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.1 %
	@ 100 kHz 0.4 %

890 283 323 005 CS	
<b>MPPP010104J400DCPB15004</b>	
C:	100 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	220 V <sub>AC</sub>
R <sub>ISO</sub> :	> 30000 MΩ
dV/dt:	300 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.1 %
	@ 100 kHz 0.35 %

890 443 325 010 CS	
<b>MPPP015225J160DCPB15004</b>	
C:	2200 nF
U <sub>R</sub> :	160 V <sub>DC</sub>
U <sub>RMS</sub> :	90 V <sub>AC</sub>
R <sub>ISO</sub> :	> 10000 MΩ
dV/dt:	98 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.28 %
	@ 100 kHz 1.6 %

890 273 325 009 CS	
<b>MPPP015105J250DCPB15004</b>	
C:	1000 nF
U <sub>R</sub> :	250 V <sub>DC</sub>
U <sub>RMS</sub> :	160 V <sub>AC</sub>
R <sub>ISO</sub> :	> 10000 MΩ*μF
dV/dt:	85 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.28 %
	@ 100 kHz 1.5 %

890 283 325 008 CS	
<b>MPPP015334J400DCPB15004</b>	
C:	330 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	220 V <sub>AC</sub>
R <sub>ISO</sub> :	> 30000 MΩ
dV/dt:	140 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.15 %
	@ 100 kHz 0.92 %

890 303 325 010 CS	
<b>MPPP015224J630DCPB15004</b>	
C:	220 nF
U <sub>R</sub> :	630 V <sub>DC</sub>
U <sub>RMS</sub> :	250 V <sub>AC</sub>
R <sub>ISO</sub> :	> 30000 MΩ
dV/dt:	220 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.15 %
	@ 100 kHz 0.68 %

890 273 326 007 CS	
<b>MPPP225155J250DCPB45004</b>	
C:	1500 nF
U <sub>R</sub> :	250 V <sub>DC</sub>
U <sub>RMS</sub> :	160 V <sub>AC</sub>
R <sub>ISO</sub> :	> 10000 MΩ*μF
dV/dt:	61 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.4 %
	@ 100 kHz 3.4 %

890 283 326 009 CS	
<b>MPPP225105J400DCPB45004</b>	
C:	1000 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	220 V <sub>AC</sub>
R <sub>ISO</sub> :	> 10000 MΩ*μF
dV/dt:	95 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.32 %
	@ 100 kHz 2.2 %

890 303 326 009 CS	
<b>MPPP225474J630DCPB45004</b>	
C:	470 nF
U <sub>R</sub> :	630 V <sub>DC</sub>
U <sub>RMS</sub> :	250 V <sub>AC</sub>
R <sub>ISO</sub> :	> 10000 MΩ*μF
dV/dt:	130 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.28 %
	@ 100 kHz 1.5 %

890 443 327 007 CS	
<b>MPPP275685J160DCPB55004</b>	
C:	6800 nF
U <sub>R</sub> :	160 V <sub>DC</sub>
U <sub>RMS</sub> :	90 V <sub>AC</sub>
R <sub>ISO</sub> :	> 10000 MΩ*μF
dV/dt:	46 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.75 %
	@ 100 kHz 5.9 %

890 283 327 008 CS	
<b>MPPP275225J400DCPB55004</b>	
C:	2200 nF
U <sub>R</sub> :	400 V <sub>DC</sub>
U <sub>RMS</sub> :	220 V <sub>AC</sub>
R <sub>ISO</sub> :	> 10000 MΩ*μF
dV/dt:	98 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.4 %
	@ 100 kHz 3.4 %

890 303 327 008 CS	
<b>MPPP275155J630DCPB55004</b>	
C:	1500 nF
U <sub>R</sub> :	630 V <sub>DC</sub>
U <sub>RMS</sub> :	250 V <sub>AC</sub>
R <sub>ISO</sub> :	> 10000 MΩ*μF
dV/dt:	130 V/μS
DF:	@ 1 kHz < 0.1 %
	@ 10 kHz 0.34 %
	@ 100 kHz 2.3 %

### Technical Data

MKP – Metallized Polypropylene  
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



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