



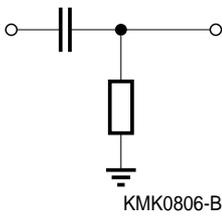
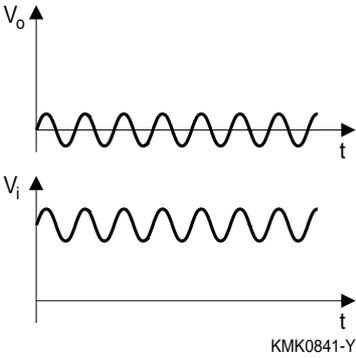
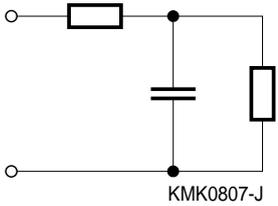
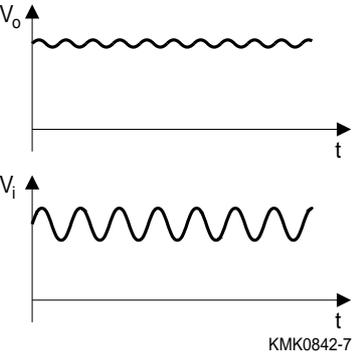
Film Capacitors

Typical applications

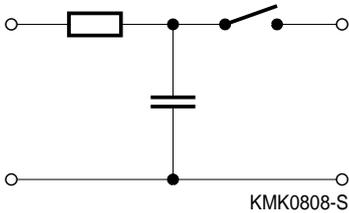
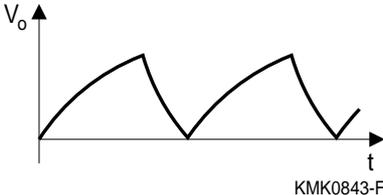
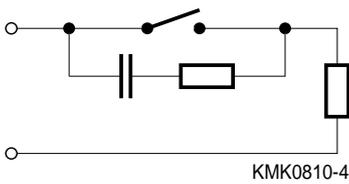
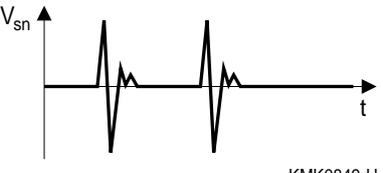
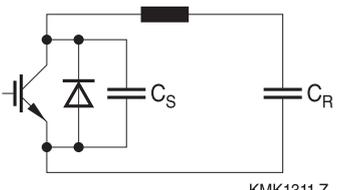
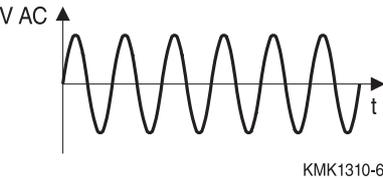
Date: April 2025

Typical applications

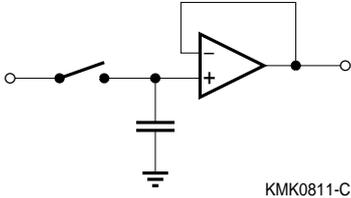
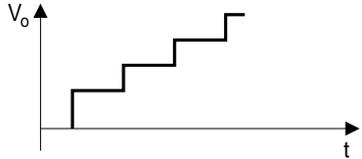
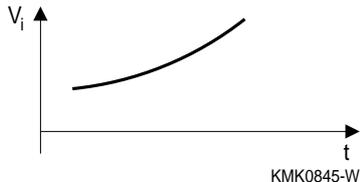
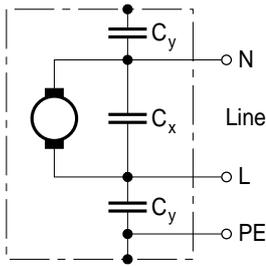
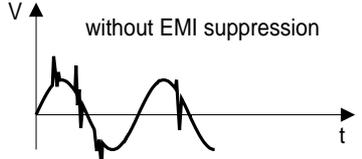
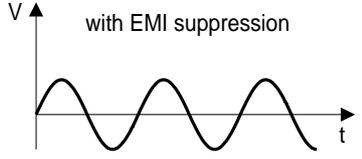
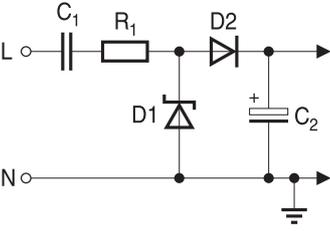
Typical applications of Film Capacitors

Application	Requirements	Series
Blocking / Coupling		
  <p>The capacitor acts as a high-pass filter:</p> <ul style="list-style-type: none"> - Preventing DC voltages (blocking) - Transferring only the AC load (coupling) 	High R_{ins} Low L_S	MKT B3252*C/D/E/N/Q/R/T B3256*H/J/T
Bypass / Decoupling / DC link / Smoothing		
  <p>The capacitor acts as a low-pass filter, preventing the transmission of AC voltages, suppressing fast transient changes and providing enough energy to the load.</p>	High R_{ins} Low L_S	MKT B3252*C/D/E/N/Q/R/T B3256*H/J/T MKP B25654A*001 B3265*A/G/J/T B3267*P B3267*Z B3267*D/G/J/T B3271*H B3271*P B3272*A/G/T B3277*X/Y/Z B3277*D/E/G/J/T B3277*H B3277*M B3277*P

Typical applications

Application	Requirements	Series
Timing / Energy storage / Ignition		
  <p>The capacitor stores a charge until a specific amount of time (time delay) has elapsed.</p> <p>The capacitor stores a charge and then releases it in a short energetic pulse.</p>	<p>Good pulse characteristics</p>	<p>MKP B3262*A/J B3265*A/G/J/T B3267*P B3267*Z B3267*D/G/J/T B3271*H B3271*P B3272*A/G/T B3277*X/Y/Z B3277*D/E/G/J/T B3277*H B3277*M B3277*P MFP B3268*A MKT B3256*H/J/T B3257*A</p>
Snubbing / Resonant		
    <p>C_S (Snubber): Capacitor protects semiconductors from over-voltages by high current switching.</p> <p>C_R (Resonant): LC system oscillates at a certain frequency.</p>	<p>Low $\tan \delta$ Good pulse characteristics</p>	<p>MKP B3265*A/G/J/T B3265*S B3267*L MMKP B3264*B B3264*H MFP B32686S B3268*A</p>

Typical applications

Application	Requirements	Series
Sample and hold		
 <p style="text-align: center;">KMK0811-C</p>   <p style="text-align: center;">KMK0845-W</p> <p>The capacitor stores a voltage until a sample is taken.</p>	<p>High R_{ins} Low dielectric absorption</p>	<p>MKP B3265*S</p> <p>MFP B32686S</p>
EMI suppression		
 <p style="text-align: center;">KMK1034-8</p>   <p style="text-align: center;">KMK0846-5-E</p> <p>A capacitor/resistor network on the input of a device suppresses external noise pulses that could damage its components.</p>	<p>Low flammability</p>	<p>MKP B3292*C/D B3292*A4/B4/S4 B3291*A3/B3 B3291*H4/J4 B3291*A5/B5/C5 B3292*H3/J3 B3292*M3/N3 B3292*P3/Q3 B3293*A/B B3202*A3/B3/C3 B3203*A/B/C B81123</p>
Capacitive power supply		
 <p style="text-align: center;">KMK1309-8</p> <p>The capacitor C1 works as a voltage divider without thermal losses.</p>	<p>High capacitance stability</p>	<p>MKP/MKT B3265*A/G/J/T B3293*A/B B3292*H3/J3 B3292*M3/N3 B3292*A4/B4/S4</p>

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