

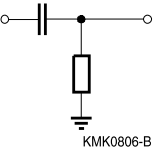
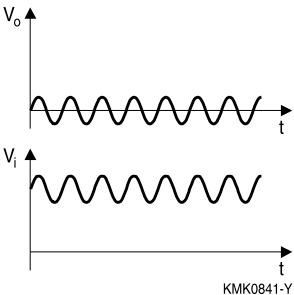
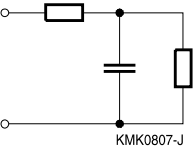
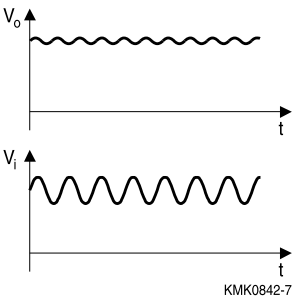
Film Capacitors

Typical applications

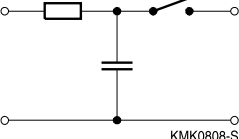
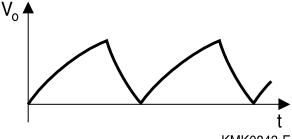
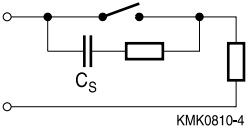

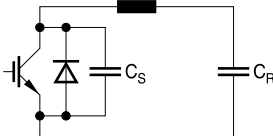
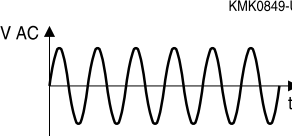
Date: May 2009

Typical applications

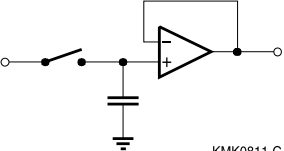
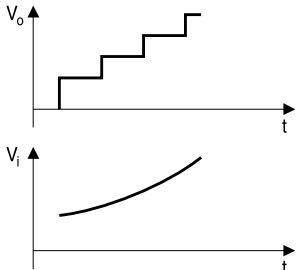
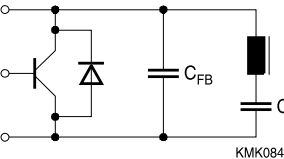
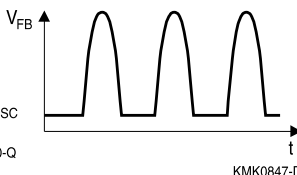
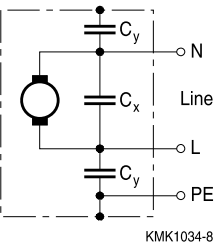
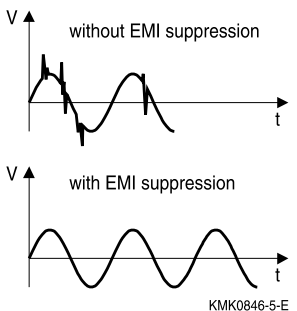
Typical applications of film capacitors

Application	Requirements	Series
Blocking / Coupling		
 <p>KMK0806-B</p>  <p>KMK0841-Y</p>	High R_{ins} Low L_S	MKT B32520...529 B32560...564 B32591...594
Bypass / Decoupling / DC link / Smoothing		
 <p>KMK0807-J</p>  <p>KMK0842-7</p>	High R_{ins} Low L_S	MKT B32520...529 B32560...564 B32591...594 B32231...232 MKP B32651...656 B32612...614 B32671Z...673Z B32674...678 B32774...778
<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>		

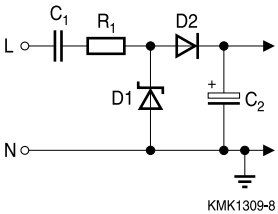
Typical applications

Application	Requirements	Series
Timing / Energy storage / Ignition		
 <p>KMK0808-S</p>  <p>KMK0843-F</p> <p>The capacitor stores a charge until a specific amount of time (time delay) has elapsed. The capacitor stores a charge and then releases it in a short energetic pulse.</p>	Good pulse characteristics	<p>MKP</p> <p>B32620...621</p> <p>B32651...656</p> <p>B32612...614</p> <p>B32669</p> <p>B32671Z...673Z</p> <p>B32674...678</p> <p>B32774...778</p> <p>MFP</p> <p>B32686A</p> <p>B32632...634</p> <p>MKT</p> <p>B32561...564</p> <p>B32572...573</p>
Snubbing / Resonant		
 <p>KMK0810-4</p>  <p>KMK0849-U</p>  <p>KMK1311-Z</p>  <p>KMK1310-6</p> <p>C_S (Snubber): Capacitor protects semiconductors from over-voltages by high current switching. C_R (Resonant): LC system oscillates at a certain frequency.</p>	Low $\tan \delta$ Good pulse characteristics	<p>MKP</p> <p>B32651...656</p> <p>B32656S</p> <p>B32671L...672L</p> <p>MFP</p> <p>B32686A</p> <p>B32686S</p> <p>B32632...634</p>

Typical applications

Application	Requirements	Series
Sample and hold		
 <p>KMK0811-C</p>  <p>KMK0845-W</p>	<p>High R_{ins} Low dielectric absorption</p>	<p>MKP B32656S</p> <p>MFP B32686S</p>
Flyback		
 <p>KMK0840-Q</p>  <p>KMK0847-D</p>	<p>Low $\tan \delta$ Good pulse characteristics</p>	<p>MKP B32651...654 B32612...614 B32671L...672L B32601L...602L</p> <p>MFP B32632...634</p>
EMI suppression		
 <p>KMK1034-8</p>  <p>KMK0846-5-E</p>	<p>Low flammability</p>	<p>MKP B32921...928 B32911...916 B32021...026 B81123</p>
<p>A capacitor/resistor network on the input of a device suppresses external noise pulses that could damage its components.</p>		

Typical applications

Application	Requirements	Series
Capacitive power supply		
 <p>The capacitor C1 works as a voltage divider without thermal losses.</p>	High capacitance stability	MKP B32651... 656 B32922*7xx ... B32924*7xx