

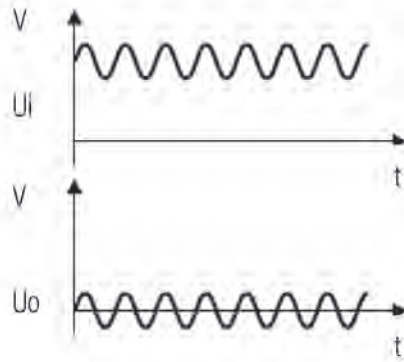
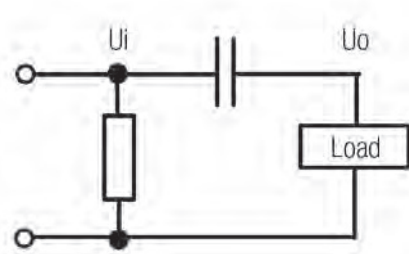
# DC Film Capacitors for General Applications

Metallized Polypropylene (MKP) and metallized Polyester (MKT) Film Capacitors

## Typical applications for DC Film capacitors:

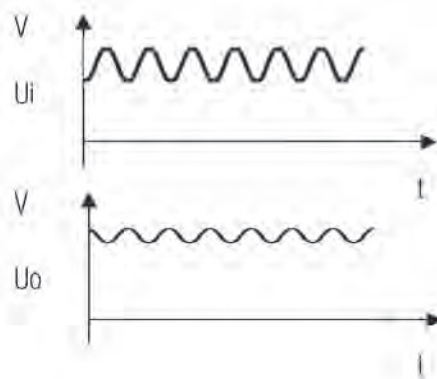
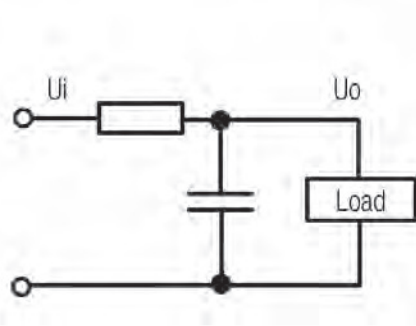
### Application: Blocking/Coupling

Function: Preventing DC voltage/transferring only the AC voltage



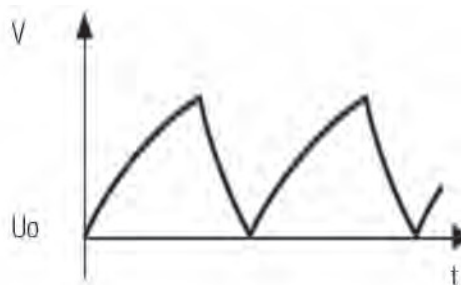
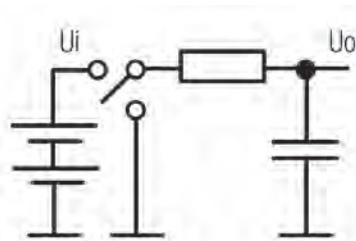
### Application: Bypass/Decoupling

Function: Preventing the transmission of high frequency AC voltage/providing energy to the load



### Application: Energy storage/Timing

Function: Store a charge until a specific amount of time has elapsed/store a charge and then release it in a short energetic pulse



$U_i$  = Input Voltage  
 $U_o$  = Output Voltage