

Film Capacitors  
versus  
Electrolytic Capacitors

	Film Capacitor	E-Capacitor
Electromagnetic Immunity	Good	Fair
Power Efficiency	High	Low
Capacitance	Low	High
Ripple Current Density	High (2-3 times)	Low
Component Cost	Low	High
Life-time	Long	Normal
RMS Current Capabilities	High (Up to 1A RMS per $\mu$ F)	Low
Over Voltage Capabilities	High (Up to 2 times the rated voltage)	Low
Handle Voltage Reversal	Yes	No
Peak Current Capabilities	High	Low
Material	No acid	Acid inside
Storage	Easy	Long storage problem
Temperature coefficient	Low	High