

## Type of Plastic Film Capacitors

Series	Electrode Construction	Dielectric	Outline	Category Temperature Range	Rated Voltage and Capacitance Range	Features and Constructions	Applications	Page
<b>XK-(ZH)</b>	Metallized Film Type	Metallized Polyester Film	Standard Type	※1 -40 to +105°C	0.01 to 3.3 $\mu$ F 250 to 630VDC	<ul style="list-style-type: none"> <li>• Compact and lightweight</li> <li>• Flame-retardant epoxy coating</li> </ul>	General purposes	342
<b>XK</b>		Metallized Polyester Film	Compact Size Standard Type	※1 -40 to +105°C	0.01 to 10 $\mu$ F 250 to 630VDC	<ul style="list-style-type: none"> <li>• Compact and lightweight</li> <li>• Flame-retardant epoxy coating</li> </ul>	General purposes	343
<b>XT</b>		Polypropylene Film, and Metallized Polypropylene Film	For High Frequency & Large current Applications Dip Type	※1 -40 to +105°C	0.0068 to 0.1 $\mu$ F 400 · 630VDC	<ul style="list-style-type: none"> <li>• Compact and lightweight</li> <li>• Excellent in temperature characteristics and high frequency operation</li> <li>• Flame-retardant epoxy coating</li> </ul>	For high frequency circuits	344
<b>XP</b>		Metallized Polypropylene Film	Standard Type For High Frequency Applications Dip Type	※1 -40 to +105°C	0.01 to 3.3 $\mu$ F 250 to 800VDC	<ul style="list-style-type: none"> <li>• Compact and lightweight</li> <li>• Excellent in temperature characteristics and high frequency operation</li> <li>• Flame-retardant epoxy coating</li> </ul>	For high frequency circuits	346
<b>XL</b>		Metallized Polyester Film	Electrical Appliance and Material Safety Law Approved Dip Type	-40 to +105°C	0.01 to 1.0 $\mu$ F 125 · 250VAC	<ul style="list-style-type: none"> <li>• Flame-retardant epoxy coating</li> <li>• High reliability</li> <li>• Compact and lightweight</li> </ul>	A.C.line noise suppression	347
<b>AK</b>		Metallized Polyester Film	Tape-Wrapped Axial lead Type	-40 to +85°C	0.1 to 10 $\mu$ F 250 to 630VDC	<ul style="list-style-type: none"> <li>• Superior characteristics in protection from mechanical damage and high humidity</li> <li>• Large capacitance</li> </ul>	Filtering, D.C.blocking and coupling circuits	348
<b>AP</b>		Metallized Polypropylene Film	Tape-Wrapped Axial lead Type For High Frequency Applications	-40 to +85°C	0.15 to 10 $\mu$ F 250 to 630VDC	<ul style="list-style-type: none"> <li>• Excellent in temperature coefficient and at high frequency operation</li> <li>• Humidity resistance</li> <li>• Large capacitance</li> </ul>	Filtering of high frequency circuits and charging / discharging circuits	349
<b>YX</b>	Foil Type	Polyester Film	Miniaturized Standard Type	-40 to +85°C	0.001 to 0.47 $\mu$ F 50 · 100VDC	<ul style="list-style-type: none"> <li>• Uniform epoxy coating (clear-yellow)</li> <li>• Optimum for auto-insertion</li> </ul>	General purposes	350
<b>YS</b>		Polyester Film	Ultra-Miniaturized Low-Profile Type	-40 to +85°C	0.001 to 0.47 $\mu$ F 50VDC	<ul style="list-style-type: none"> <li>• Extremely low height (5mm)</li> <li>• Uniform epoxy coating</li> </ul>	Miniaturized equipment. Auto assemblies to P.C. board with high density	351
<b>YP</b>		Polyester Film	Ultra-Miniaturized 5mm Lead Pitch Type	-40 to +85°C	0.001 to 0.1 $\mu$ F 50VDC	<ul style="list-style-type: none"> <li>• Lower height and lead pitch of 5mm provide space advantage on P.C.board.</li> <li>• Optimum for auto-insertion</li> </ul>	Miniaturized equipment. Auto assemblies to P.C.board with high density	351

When DC rated capacitors are operated in AC circuit, Problems may occur because of inherent temperature rise, discharge, etc.  
So in such a case, please contact us in advance for the right application.

※1 In case capacitor is used at +85°C or more, need voltage derating as show in page 333 or more.

## Type of Plastic Film Capacitors for AC Power

Series	Electrode Construction	Dielectric	Configuration	Category Temperature Range	Rated Voltage and Capacitance Range	Features and Constructions	Applications	Page
<b>EC</b>	Metallized Film Type	Metallized Polypropylene Film	Encased Type	-25 to +85°C	1.0 to 50 $\mu$ F 200 to 400VAC	<ul style="list-style-type: none"> <li>• Flame-retardant epoxy cased coating</li> <li>• Tab terminal, Pin terminal stranded wire terminal</li> </ul>	Motor running	353
<b>EN</b>		Metallized Polypropylene Film	Encased Type	-25 to +70°C	1.0 to 30 $\mu$ F 200 to 400VAC	<ul style="list-style-type: none"> <li>• UL 810 approved</li> <li>• Safety mechanism</li> <li>• Flame-retardant epoxy cased coating</li> <li>• Tab terminal, Pin terminal</li> </ul>	American Application Motor running	353
<b>XH</b>		Metallized Polypropylene Film	Dip Type	-25 to +85°C	6 to 12 $\mu$ F 250VAC	<ul style="list-style-type: none"> <li>• Flame-retardant epoxy resin coating</li> </ul>	Motor running	355