

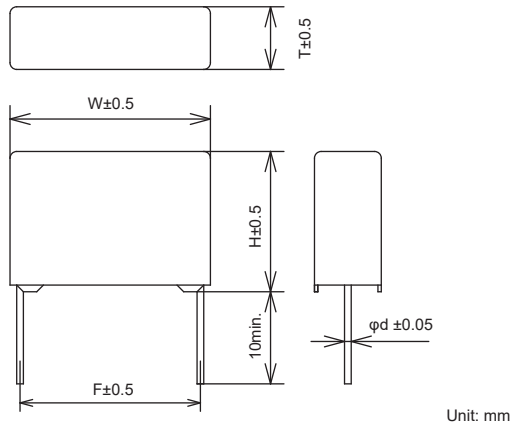
Features

- Low self-heating and low loss by using thin polypropylene film.
- High withstand voltage (between line and case) by the design of resin outer case.
- Stable design for mounting on a board.
- No derating voltage to maximum temperature 105°C. (450Vdc only)

Applications

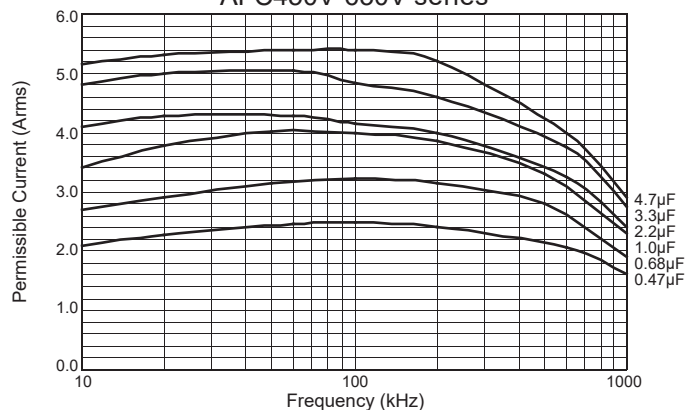
- Active filter circuit for electrical appliances. (PFC circuit)
- Flat screen television, PC display monitor, Audio-video equipment and home appliance.

Dimensions

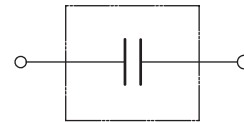


Permissible current data

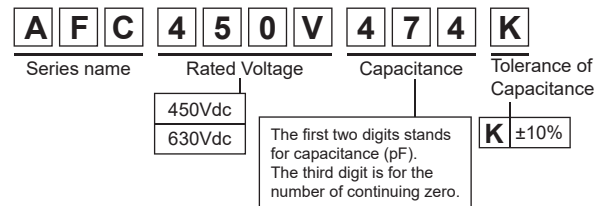
AFC450V·630V series



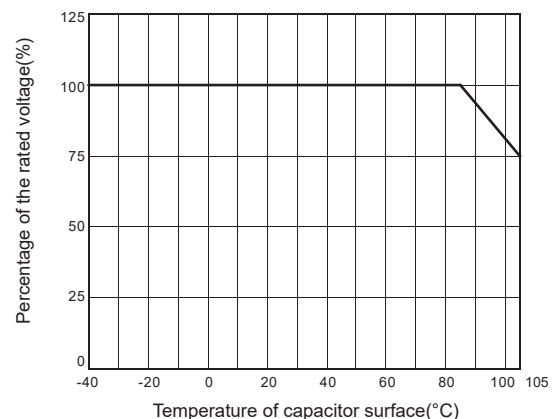
Circuit



Model numbering system



Voltage derating by temperature (AFC630V Series)



Electrical Specifications

Rated Voltage	Model Number	Capacitance µF±10%	Dimensions (mm)					Dissipation Factor	Test Voltage	Insulation Resistance
			W	H	T	F	φd			
450Vdc 630Vdc	AFC□□□V474K	0.47	17.0	14.5	6.5	15.0	0.6	0.002max. (at 1kHz)	Rated Voltage ×1.75Vdc (2~5sec)	7,500Ω·Fmin. (at 20°C, 100Vdc)
	AFC□□□V684K	0.68	17.5	15.0	7.5	15.0	0.8			
	AFC□□□V105K	1.0	17.5	18.0	9.5	15.0	0.8			
	AFC□□□V225K	2.2	25.5	19.5	10.5	22.5	0.8			
	AFC□□□V335K	3.3	25.5	22.0	13.5	22.5	0.8			
	AFC□□□V475K	4.7	25.5	25.5	16.5	22.5	0.8			

□□□: Rated Voltage 450(Vdc), 630(Vdc)
630Vdc: It is possible to use from more than 85°C to 105°C by derating of rated voltage.

Operating Temperature: -40~+105°C