



For snubber / active filter circuits



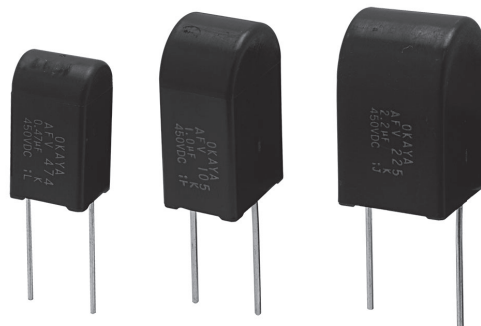
Features

- High frequency, high current capability
- Narrow width and vertical shape enable reduction of mounting area

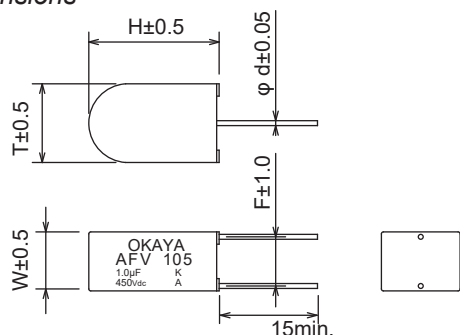
Applications

- Protection of semiconductor devices such as IGBTs and IPMs (snubber circuits)
- Harmonics protection for various electrical devices (PFC circuits)

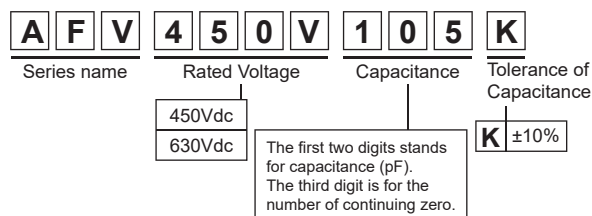
Switching power supplies, inverters, servo equipment, etc.



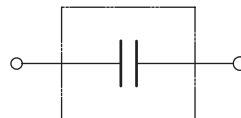
• Dimensions



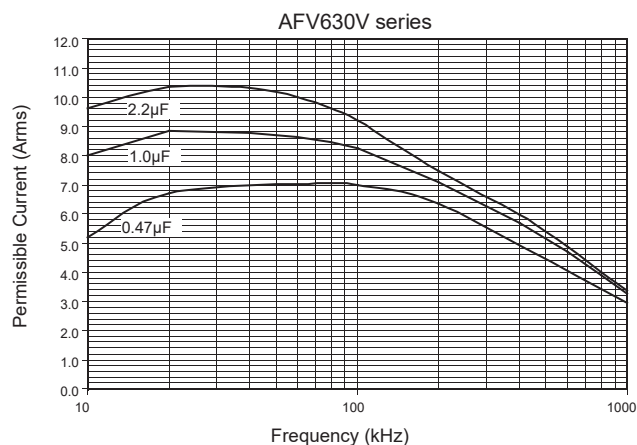
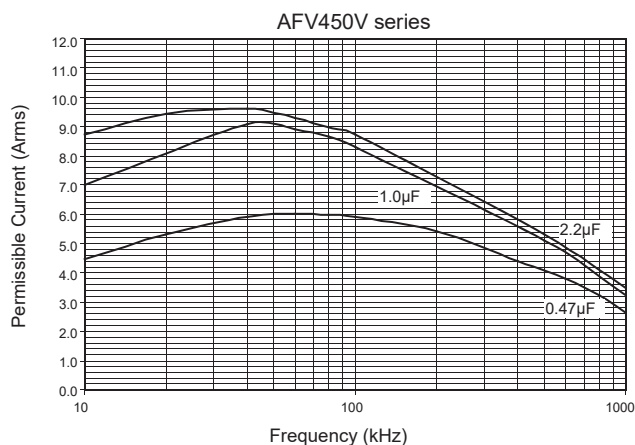
• Model numbering system



• Circuit



• Permissible current data (reference values)



Electrical Specifications

Rated Voltage	Model Number	Capacitance $\mu\text{F} \pm 10\%$	Dimensions (mm)					Dissipation Factor	Test Voltage between terminals	Insulation Resistance between terminals
			W	H	T	F	d			
450Vdc	AFV450V474K	0.47	12.0	21.0	10.5	10.0	0.8	0.001max. (at 1kHz)	Rated Voltage $\times 1.75\text{Vdc}$ (2~5sec)	20,000 $\Omega \cdot \text{Fmin.}$ (at 20°C, 100Vdc)
	AFV450V105K	1.0	12.0	26.5	16.0	10.0	1.0			
	AFV450V225K	2.2	17.0	27.5	17.0	15.0	1.0			
630Vdc	AFV630V474K	0.47	12.0	26.5	16.0	10.0	1.0			
	AFV630V105K	1.0	17.0	27.5	17.0	15.0	1.0			
	AFV630V225K	2.2	20.0	36.0	26.0	17.5	1.0			

Operating Temperature: -40~+85°C