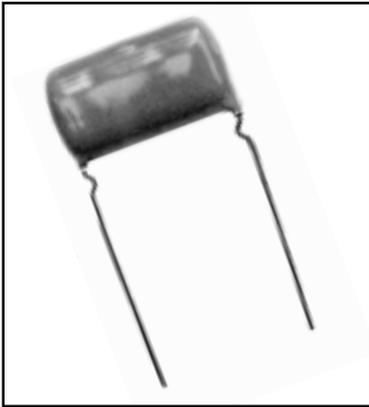




PHV Series High AC Voltage Polypropylene Film / Foil



Film Capacitors



- Designed for high AC voltage applications requiring corona free performance
- Very low dissipation factor
- Ideal in high frequency, high pulse current applications; high dv/dt rating
- Excellent stability, virtually linear temperature coefficient
- Applications include: switching and high voltage power supplies, inverters, snubbers, resonant converters and electronic lighting ballasts

GENERAL SPECIFICATIONS

Operating Temperature:
-55°C to +85°C
(+105°C with voltage derating)

Voltage Range:
800 VAC/1800 VDC
900 VAC/2000 VDC

Capacitance Range:
470pF to 0.015μF

Capacitance Tolerance: ±5%

Construction:
Non-inductively wound with extended foil, internal series-section design

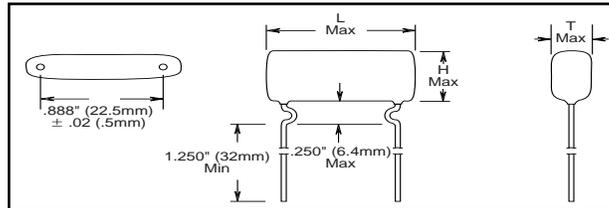
Lead Material:
Tinned copper clad steel
.032" (.8mm) dim.

Encapsulation:
Conformal coating of flame retardant epoxy (meets UL94V-2)

Dielectric:
Polypropylene film; utilizing a floating common of metallized polypropylene, which provides self-healing characteristics

Insulation Resistance:
400,000 MΩ minimum @+25°C
20,000 MΩ minimum @+85°C
2,000 MΩ minimum @+105°C

Corona Start Voltage (typical):
800 VAC units: 950-1000 Volts RMS
900 VAC units: 1050-1100 Volts RMS



Part Number	Cap μF	Max dv/dt (Volts/μsec)	Max% D.F. @ 20kHz	100kHz	Inches					Millimeters				
					L Max	T Max	H Max	Seated Height	Nom. L.S.	L Max	T Max	H Max	Seated Height	Nom. L.S.

800 VAC/1800 VDC

PHV8347J	.00047	95000	.029	.039	1.125	.210	.390	.640	.886	28.5	5.4	9.9	16.3	22.5
PHV8356J	.00056	87000	.029	.040	1.125	.220	.400	.650	.886	28.5	5.6	10.2	16.5	22.5
PHV8368J	.00068	79000	.029	.040	1.125	.240	.420	.670	.886	28.5	6.1	10.7	17.0	22.5
PHV8382J	.00082	72000	.030	.043	1.125	.200	.380	.630	.886	28.5	5.1	9.7	16.0	22.5
PHV821J	.0010	65000	.030	.043	1.125	.200	.380	.630	.886	28.5	5.1	9.7	16.0	22.5
PHV8212J	.0012	60000	.030	.044	1.125	.210	.390	.640	.886	28.5	5.3	9.9	16.3	22.5
PHV8215J	.0015	53000	.030	.044	1.125	.230	.410	.660	.886	28.5	5.9	10.4	16.8	22.5
PHV8218J	.0018	49000	.030	.044	1.125	.240	.420	.670	.886	28.5	6.1	10.7	17.0	22.5
PHV8222J	.0022	44000	.030	.045	1.125	.250	.450	.700	.886	28.5	6.4	11.4	17.8	22.5
PHV8272J	.0027	40000	.030	.045	1.125	.270	.470	.720	.886	28.5	6.9	11.9	18.3	22.5
PHV8233J	.0033	36000	.031	.046	1.125	.290	.500	.750	.886	28.5	7.4	12.7	19.1	22.5
PHV8239J	.0039	33000	.031	.046	1.125	.290	.550	.800	.886	28.5	7.4	14.0	20.3	22.5
PHV8247J	.0047	30000	.031	.047	1.125	.320	.570	.820	.886	28.5	8.1	14.5	20.8	22.5
PHV8256J	.0056	28000	.031	.048	1.125	.340	.600	.850	.886	28.5	8.6	15.3	21.6	22.5
PHV8268J	.0068	25000	.031	.049	1.125	.380	.630	.880	.886	28.5	9.7	16.0	22.4	22.5
PHV8282J	.0082	23000	.031	.051	1.125	.390	.690	.940	.886	28.5	9.9	17.5	23.9	22.5
PHV801J	.0100	21000	.032	.053	1.125	.430	.730	.980	.886	28.5	10.9	18.5	24.9	22.5
PHV812J	.0120	19000	.032	.055	1.125	.440	.790	1.040	.886	28.5	11.2	20.1	26.4	22.5
PHV815J	.0150	17000	.033	.058	1.125	.500	.850	1.100	.886	28.5	12.7	21.6	27.9	22.5

900 VAC/2000 VDC

PHV9347J	.00047	104000	.031	.043	1.250	.200	.370	.620	.886	31.8	5.1	9.4	15.8	22.5
PHV9356J	.00056	95000	.031	.043	1.250	.210	.380	.630	.886	31.8	5.4	9.7	16.0	22.5
PHV9368J	.00068	86000	.031	.043	1.250	.230	.390	.640	.886	31.8	5.9	9.9	16.3	22.5
PHV9382J	.00082	78000	.031	.043	1.250	.230	.400	.650	.886	31.8	5.9	10.2	16.5	22.5
PHV921J	.0010	71000	.031	.043	1.250	.230	.430	.680	.886	31.8	5.9	10.9	17.3	22.5
PHV9212J	.0012	65000	.031	.043	1.250	.250	.440	.690	.886	31.8	6.4	11.2	17.5	22.5
PHV9215J	.0015	58000	.031	.044	1.250	.270	.470	.720	.886	31.8	6.9	11.9	18.3	22.5
PHV9218J	.0018	53000	.031	.044	1.250	.270	.520	.770	.886	31.8	6.9	13.2	19.6	22.5
PHV9222J	.0022	48000	.031	.044	1.250	.300	.540	.790	.886	31.8	7.6	13.7	20.1	22.5
PHV9272J	.0027	43000	.031	.044	1.250	.320	.570	.820	.886	31.8	8.1	14.5	20.8	22.5
PHV9233J	.0033	39000	.031	.046	1.250	.330	.630	.880	.886	31.8	8.4	16.0	22.4	22.5
PHV9239J	.0039	36000	.031	.046	1.250	.360	.660	.910	.886	31.8	9.2	16.8	23.1	22.5
PHV9247J	.0047	33000	.031	.047	1.250	.390	.690	.940	.886	31.8	9.9	17.5	23.9	22.5
PHV9256J	.0056	30000	.031	.048	1.250	.430	.730	.980	.886	31.8	10.9	18.5	24.9	22.5
PHV9268J	.0068	27000	.031	.049	1.250	.470	.780	1.030	.886	31.8	11.9	19.8	26.2	22.5
PHV9282J	.0082	25000	.032	.051	1.250	.490	.850	1.100	.886	31.8	12.5	21.6	27.9	22.5
PHV901J	.0100	23000	.032	.052	1.250	.540	.910	1.160	.886	31.8	13.7	23.1	29.5	22.5