

PV series

- Endurance: +125°C 2,000 hours
- High voltage
- Recommended Applications: System Board, Display Card, Small Charger, and intelligent TV
- RoHS Compliant and lead-free

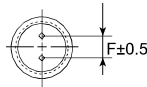
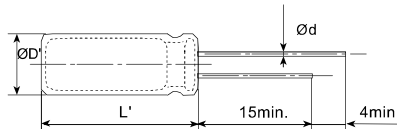


SPECIFICATIONS

Items	Characteristics					
Category Temperature Range	-55~+125°C					
Rated Working Voltage Range	35~100 V _{dc}					
Nominal Capacitance Range	4.7~1000μF					
Capacitance Tolerance	±20%(M) (at 20°C,120Hz)					
DC Leakage Current	I≤0.2CV or 500μA, whichever is greater. Where, I:Max.leakage current (μA),C:Nominal capacitance (μF),V: Rated voltage (V) (at 20°C after 2 minutes)					
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	35	50	63	80	100
	tanδ (max.)	0.12			0.15 (at 20°C,120Hz)	
ESR(100kHz,20°C)	Value in characteristics table					
Temperature Characteristic (Impedance Ratio at 100kHz)	Z(+125°C)/Z(+20°C)≤1.25 Z(-55°C)/Z(+20°C)≤1.25					
Endurance	After applying rated voltage for 2,000 hours at 125°C, the capacitors shall meet the following requirements.					
	Appearance	No significant damage				
	Capacitance Change	≤±20% of the initial value				
	D.F. (tanδ)	≤150% of the initial specified value				
	ESR	≤150% of the initial specified value				
	Leakage Current	≤The initial specified value				
Humidity Test	After subjecting to 90%~95% RH for 2,000 hours at 60°C without voltage applied, the capacitors shall meet the specified values for the Endurance characteristics listed above.					
Surge Test	After subjecting to 1,000 cycles each consisting of charge with the surge voltage specified at normal temperature for 30 seconds through a protective resistor and discharge for 5 minutes 30 seconds, the capacitors shall meet the following requirements.					
	Appearance	No significant damage				
	Capacitance Change	≤±20% of the initial value				
	D.F. (tanδ)	≤150% of the initial specified value				
	ESR	≤150% of the initial specified value				
	Leakage Current	≤The initial specified value				

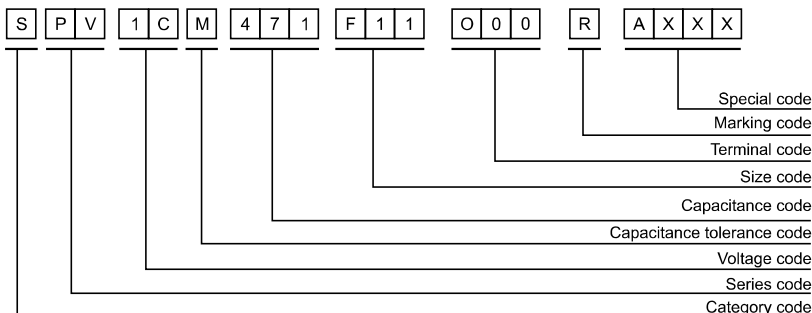
Conductive Polymer Radial Type

DIMENSIONS[mm]



ØD	5	5.5	6.3	8	10
Ød	0.5	0.5	0.5	0.6	0.6
F	2.0	2.5	2.5	3.5	5.0
ØD'	ØD-0.1~+0.5				
L'	L+1.0max.			L-0.5~+1	

PART NUMBERING SYSTEM



PV series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size ΦxL(mm)	ESR (mΩ, 20°C, 100kHz) (max.)	Rated ripple current (mA rms/125°C, 100kHz)	Leakage Current (μA) (max.)	Part Number	
35 (40.3)	4.7	5×8	90	500	500	SPV1VM4R7D08000RAXXX	
	10	5×8	90	500	500	SPV1VM100D08000RAXXX	
	15	5×8	90	500	500	SPV1VM150D08000RAXXX	
	22	5×9	150	500	500	SPV1VM220D09000RAXXX	
	33	5×9	75	600	500	SPV1VM330D09000RAXXX	
	39	5×9	75	600	500	SPV1VM390D09000RAXXX	
	47	6.3×7	75	600	500	SPV1VM470E07000RAXXX	
	56	6.3×7	75	600	500	SPV1VM560E07000RAXXX	
	68	6.3×7	75	600	500	SPV1VM680E07000RAXXX	
	82	6.3×7	75	600	574	SPV1VM820E07000RAXXX	
			6.3×8	75	700	700	SPV1VM101E08000RAXXX
		100	6.3×10	60	700	700	SPV1VM101E10000RAXXX
			8×11	60	700	700	SPV1VM101F11000RAXXX
		120	6.3×10	60	700	840	SPV1VM121E10000RAXXX
		150	6.3×10	60	700	1050	SPV1VM151E10000RAXXX
		220	8×11	60	800	1540	SPV1VM221F11000RAXXX
			10×12	45	800	1540	SPV1VM221G12000RAXXX
		270	10×12	45	900	1890	SPV1VM271G12000RAXXX
		330	10×12	45	900	2310	SPV1VM331G12000RAXXX
		470	10×13	30	900	3290	SPV1VM471G13000RAXXX
	560	10×14	30	900	3920	SPV1VM561G14000RAXXX	
	680	10×16	30	1000	4760	SPV1VM681G16000RAXXX	
	820	10×18	30	1000	5000	SPV1VM821G18000RAXXX	
	1000	10×18	30	1100	5000	SPV1VM102G18000RAXXX	
50 (57.5)	4.7	5×8	90	400	500	SPV1HM4R7D08000RAXXX	
	10	6.3×7	52	500	500	SPV1HM100E07000RAXXX	
		5×8	105	500	500	SPV1HM100D08000RAXXX	
	15	5×8	105	400	500	SPV1HM150D08000RAXXX	
	22	6.3×7	60	500	500	SPV1HM220E07000RAXXX	
	33	6.3×7	60	600	500	SPV1HM330E07000RAXXX	
	47	6.3×8	52	600	500	SPV1HM470E08000RAXXX	
	56	6.3×8	52	600	560	SPV1HM560E08000RAXXX	
	68	6.3×10	45	600	680	SPV1HM680E10000RAXXX	
	100	8×11	45	600	1000	SPV1HM101F11000RAXXX	
			8×9	60	600	1000	SPV1HM101F09000RAXXX
	150	10×12	45	700	1500	SPV1HM151G12000RAXXX	
	220	10×12	45	800	2200	SPV1HM221G12000RAXXX	
	270	10×13	30	800	2700	SPV1HM271G13000RAXXX	
	330	10×15	30	800	3300	SPV1HM331G15000RAXXX	
	440	10×18	30	900	4400	SPV1HM441G18000RAXXX	
	470	10×18	30	900	4700	SPV1HM471G18000RAXXX	
	63 (72.5)	4.7	6.3×8	90	400	500	SPV1JM4R7E08000RAXXX
		6.8	6.3×8	90	400	500	SPV1JM6R8E08000RAXXX
		10	6.3×5	90	400	500	SPV1JM100E05000RAXXX
33		6.3×8	45	500	500	SPV1JM330E08000RAXXX	
39		6.3×8	45	500	500	SPV1JM390E08000RAXXX	
68		8×11	45	600	857	SPV1JM680F11000RAXXX	
82		8×11	45	600	1033	SPV1JM820F11000RAXXX	
100		10×12	45	600	1260	SPV1JM101G12000RAXXX	
150		10×12	45	700	1890	SPV1JM151G12000RAXXX	
180		10×13	30	700	2268	SPV1JM181G13000RAXXX	
220		10×15	30	700	2772	SPV1JM221G15000RAXXX	
270		10×17	30	800	3402	SPV1JM271G17000RAXXX	
330		10×18	30	800	4158	SPV1JM331G18000RAXXX	
80 (92.0)		4.7	6.3×8	90	400	500	SPV1BM4R7E08000RAXXX
	6.8	6.3×8	90	400	500	SPV1BM6R8E08000RAXXX	
	22	6.3×10	90	400	500	SPV1BM220E10000RAXXX	
	33	8×11	52	500	528	SPV1BM330F11000RAXXX	
	47	10×12	52	500	752	SPV1BM470G12000RAXXX	
	68	10×12	52	500	1088	SPV1BM680G12000RAXXX	
	100	10×14	52	600	1600	SPV1BM101G14000RAXXX	
100 (115.0)	4.7	6.3×8	180	400	500	SPV1KM4R7E08000RAXXX	
	6.8	6.3×8	180	400	500	SPV1KM6R8E08000RAXXX	
	10	6.3×10	75	400	500	SPV1KM100E10000RAXXX	
	15	8×11	75	400	500	SPV1KM100F11000RAXXX	
	22	10×12	52	400	500	SPV1KM150F11000RAXXX	
	33	10×14	52	400	660	SPV1KM330G14000RAXXX	
	47	10×16	52	400	940	SPV1KM470G16000RAXXX	

※ Specifications subject to change without notice.