OS-CON

Surface Mount Type

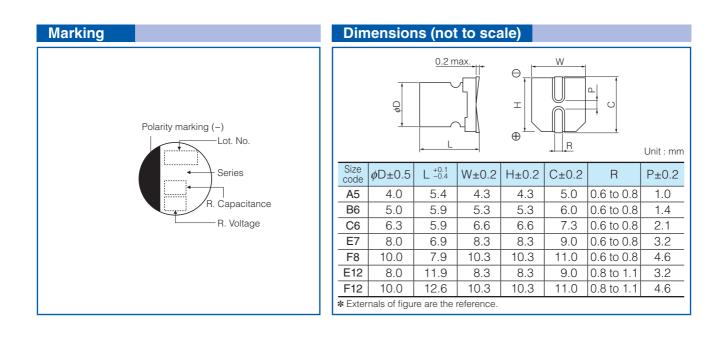
Series : SVP



Features

- Standard
- Wealth models
- RoHS compliance, Halogen free

Specifications									
Size code	A5	B6	C6	E7	F8	E12	F12		
Category temperature range	-55 °C to +105 °C								
Rated voltage range	4 V.DC to 16 V.DC 4 V.DC to 20 V.DC 2.5 V.DC to 20 V.DC 4 V.DC to 20 V.DC 2.5 V.DC to				to 20 V.DC				
Rated capacitance range	3.3 µF to 33 µF	10 µF to 68 µ	= 22 μF to 220 μF	F 33 μ F to 330 μ F 56 μ F to 680 μ F 100 μ F to 680 μ F 150 μ F to 150			150 µF to 1500 µF		
Capacitance tolerance	±20 % (120 Hz / + 20 °C)								
Leakage current	Please see the attached characteristics list								
Dissipation factor (tan δ)	Please see the attached characteristics list								
Endurance	+105 °C, 2000 h, rated voltage applied								
	Capacitance change Within ±20 % of the initial value								
	tan δ	$\tan \delta$ \leq 150 % of the initial limit							
	DC leakage current Within the initial limit								
	+60 °C, 90 % to 95 %, 1000 h, No-applied voltage								
Damp heat (Steady State)	Capacitance change Within ±20 % of the initial value								
	tan δ	tan δ \leq 150 % of the initial limit							
	DC leakage o	eakage current Within the initial limit (after voltage processing)							



Panasonic Conductive Polymer Aluminum Solid Capacitors

Characteristics list											
		DII	Case siz	ze (mm)		Specifications				Standard (Reel size : ϕ 380)	
Series	Rated voltage (V.DC)	Rated capacitance (µF)	φD	L	Size code	Ripple ^{*1} current (mAr.m.s.)	ESR* ² (mΩ max.)	tan δ^{*^3}	LC *4 (µA)	Part number	Min. Packaging Q'ty (pcs)
		220	6.3	5.9	C6	2390	23	0.12	110	2R5SVP220M	1000
	2.5	680	8.0	11.9	E12	4520	13	0.15	340	2R5SVP680M	400
		1500	10.0	12.6	F12	5440	12	0.18	750	2R5SVP1500M	400
		33	4.0	5.4	A5	740	200	0.15	66 78	4SVP33M 4SVP39M	2000
		39 68	5.0 5.0	5.9 5.9	B6	1100 1400	70 60	0.12	136	4SVP39M 4SVP68M	1500 1500
		150	6.3	5.9	C6	1810	40	0.12	120	4SVP150MX	1000
	4.0	330	8.0	6.9	E7	2560	35	0.12	264	4SVP330M	1000
		560	8.0	11.9	E12	4520	13	0.15	448	4SVP560M	400
		680	10.0	7.9	F8	3700	25	0.12	544	4SVP680M	500
		1200	10.0	12.6	F12	5440	12	0.18	960	4SVP1200M	400
		22	4.0	5.4	A5	740	200	0.12	69.3	6SVP22M	2000
		47 82	5.0 6.3	5.9 5.9	B6	1100 1700	70 45	0.12	148 103	6SVP47M 6SVP82M	1500 1000
		100	6.3	5.9	C6	1810	40	0.12	126	6SVP100M	1000
		120	6.3	5.9		2780	17	0.12	151	6SVP120MV	1000
	6.3		8.0	6.9	E7	2560	35	0.12	277	6SVP220MX	1000
		220	10.0	7.9		3700	25	0.12	277	6SVP220M	500
		330	10.0	7.9	F8	3700	25	0.12	416	6SVP330M	500
		470	10.0	7.9		3700	25	0.12	592	6SVP470MX	500
			8.0	11.9	E12	4210	15	0.15	592	6SVP470M	400
		820	10.0	12.6	F12	5440 670	12	0.15 0.08	775	6SVP820M	400 2000
		4.7 6.8	4.0	5.4 5.4	A5	670	240 240	0.08	23.5 34	10SVP4R7M 10SVP6R8M	2000
		10	4.0	5.4		700	220	0.03	50	10SVP10M	2000
		15	4.0	5.4		740	200	0.10	75	10SVP15M	2000
		33	5.0	5.9	B6	1100	70	0.12	165	10SVP33M	1500
SVP		47	6.3	5.9	C6	1620	50	0.12	94	10SVP47M	1000
501	10	56	6.3	5.9	00	1700	45	0.12	112	10SVP56M	1000
		120	8.0	6.9	E7	2560	35	0.12	240	10SVP120M	1000
		150	8.0 10.0	6.9 7.9		2560 3020	35 30	0.12 0.12	300 300	10SVP150MX 10SVP150M	1000 500
		270	10.0	7.9	F8	3700	25	0.12	540	10SVP150M	500
			10.0	7.9	10	3700	25	0.12	660	10SVP330MX	500
		330	8.0	11.9	E12	3950	17	0.15	660	10SVP330M	400
		560	10.0	12.6	F12	5230	13	0.15	840	10SVP560M	400
		3.3	4.0	5.4	A5	660	260	0.07	26.4	16SVP3R3M	2000
		15	5.0	5.9	B6	1020	120	0.10	120	16SVP15M	1500
		22	5.0	5.9		1060	90 50	0.10	176	16SVP22M	1500
		<u>39</u> 56	6.3 8.0	5.9 6.9	C6	1620 1890	45	0.10	125 179	16SVP39M 16SVP56M	1000
	16	82	8.0	6.9	E7	2120	40	0.12	262	16SVP82M	1000
		100	10.0	7.9		2670	35	0.12	320	16SVP100M	500
		150	10.0	7.9	F8	3020	30	0.12	480	16SVP150M	500
_		180	10.0	7.9		3020	30	0.12	576	16SVP180MX	500
			8.0	11.9	E12	3640	20	0.15	576	16SVP180M	400
	20	330	10.0	12.6	F12	4720	16	0.15	792	16SVP330M	400
		10	5.0	5.9	B6 C6	1020	120	0.10	100	20SVP10M	1500
		22 27	6.3 6.3	5.9 5.9		1450 1450	60 60	0.10	88 108	20SVP22M 20SVP27M	1000
		33	8.0	<u> </u>		1450	45	0.10	132	20SVP27M 20SVP33M	1000
		47	8.0	6.9	E7	1890	45	0.12	188	20SVP47M	1000
		56	10.0	7.9	F 0	2400	40	0.12	224	20SVP56M	500
		68	10.0	7.9	F8	2400	40	0.12	272	20SVP68M	500
		100	8.0	11.9	E12	3320	24	0.15	400	20SVP100M	400
		150	10.0	12.6	F12	4320	20	0.15	600	20SVP150M	400

*1 Ripple current (100 kHz/ +105 °C), *2 ESR (100 kHz to 300 kHz/+20 °C) *3 tan δ (120 Hz/+20 °C) *4 After 2 minutes

♦ Please refer to each page in this catarog for "Reflow conditions" and "Taping specifications".

Frequency correction factor for ripple current							
Frequency	120 Hz ≦ f < 1 kHz	1 kHz ≦ f < 10 kHz	10 kHz ≦ f < 100 kHz	100 kHz ≦ f < 500 kHz			
Coefficient	0.05	0.3	0.7	1			

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