

SVPS Series

Aluminum solid capacitors with Conductive polymer



Long life span : Endurance 5,000h at 105deg.C x RV

** Lead free ** Damp heat : 60deg.C x 90 to 95% x RV x 1,000h

** Expected for 89,000h at 80deg.C

SVPS Series Characteristics List

Size code	Part Number *1	Rated Voltage (V)	Rated Capacitance (uF)	ESR 100kHz-300kHz (Mohm)(max.)	Allowable ripple current 100kHz (mArms)*3	Tangent of loss angle (max.)	Leakage current (uA) (max.) *2
A5	10SVPS10M	10	10	220	700	0.10	50
	10SVPS15M	10	15	200	740	0.10	75
	6SVPS22M	6.3	22	200	740	0.12	69.3
	4SVPS33M	4	33	200	740	0.15	66
B6	16SVPS22M	16	22	90	1060	0.10	176
	10SVPS33M	10	33	70	1100	0.12	165
	6SVPS47M	6.3	47	30	1970	0.12	300
	4SVPS68M	4	68	30	1970	0.12	300
C6	20SVPS22M	20	22	60	1450	0.10	88
	16SVPS39M	16	39	24	2460	0.12	300
	10SVPS68M	10	68	30	2200	0.12	300
	6SVPS120M	6.3	120	22	2570	0.12	300
E7	4SVPS150M	4	150	22	2570	0.12	300
	25SVPS10M	25	10	60	1500	0.10	125
	20SVPS47M	20	47	45	1890	0.12	188
	16SVPS82M	16	82	30	2760	0.12	262
F8	10SVPS150MX	10	150	30	2760	0.12	500
	6SVPS220M	6.3	220	22	3220	0.12	500
	4SVPS270M	4	270	22	3220	0.12	500
	16SVPS100M	16	100	35	2670	0.12	320
F8	16SVPS180M	16	180	29	3430	0.12	576
	10SVPS150M	10	150	30	3020	0.12	300
	10SVPS330M	10	330	24	3770	0.12	660
	6SVPS470M	6.3	470	20	4130	0.12	592
	4SVPS680M	4	680	20	4130	0.12	544

*1 Capacitance tolerance : M ; +/-20%

*2 After 2 minutes

*3 Temperature measured at the top surface of aluminum case shall not to be over 105deg.C including self-heating by ripple current.

Dimensions

(unit:mm)

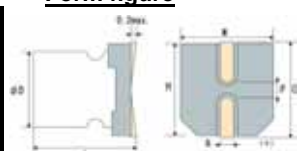
Size code	pi	D+0.5max.	L+0.1/-0.4	W+/-0.2	H+/-0.2	C+/-0.2	R	P+/-0.2
A5		4.0	5.4	4.3	4.3	5.0	0.5 to 0.8	1.0
B6		5.0	5.9	5.3	5.3	6.0	0.5 to 0.8	1.4
C6		6.3	5.9	6.6	6.6	7.3	0.5 to 0.8	2.1
E7		8.0	6.9	8.3	8.3	9.0	0.5 to 0.8	3.2
F8		10.0	7.9	10.3	10.3	11.0	0.5 to 0.8	4.6

Size List

RV:rated voltage (SV):surge voltage (room temperature)

Form figure

RV (SV)	4 (5.2)	6.3 (8.2)	10 (11.5)	16 (18.4)	20 (23)	25 (25)
uF						
10			A5			E7
15			A5			
22		A5		B6	C6	
33	A5		B6			
39				C6		
47		B6			E7	
68	B6		C6			
82				E7		
100				F8		
120		C6				
150	C6		E7,F8			
180				F8		
220		E7				
270	E7					
330			F8			
470		F8				
680	F8					



Samples and Mass productions

Please contact your local sales for samples, mass production date or any other inquiries you may have.

This fier is a supplement of OS-CON TECHNICAL BOOK ver.12. All the value and part numbers are tentative and subject to change with or without notice. Please obtain official specification from your sales before use.