



NEW OS-CON SVP Series Specifications

The SVP series is a surface mount **OS-CON** capacitor for noise reduction, use in switching power supplies, VCRs, etc., where surface mount design is needed. The SVP series is a vertical surface mount.

No de-rating on maximum allowable ripple current is necessary. Specification is guaranteed at 105 degrees C because of its strong heat resistance. Excellent temperature characteristics and endurance.

High temperature load 1000 hours at 105 degrees C. Rated Voltage applied.

Moisture resistance 60 degrees C x 95% RH x 500 hours

Operating temperature range is -45 degrees C to +105 degrees C.

*1 Capacitance tolerance: M= +/-20% *2 100 KHz, *3 at 120 Hz *4 After 2 minutes

		Rated	Nominal	ESR	Allowable ripple current	Tangent of	Leakage current
SIZE	Model	Voltage	Capacitance	(100k~300kHz)	(mArms) (Max.)	Loss Angle	(uA Max.)
		(V)	(uF)*1	(mohm Max.)	(45C-105C)*2	(Max.)*3	*4
A5	16SVP3R3M	16	3.3	280	590	0.07	26.4
	10SVP4R7M	10	4.7	260	660	0.08	23.5
	10SVP6R8M	10	6.8	260	660	0.09	34.0
	10SVP10M	10	10	240	670	0.10	50.0
	10SVP15M	10	15	240	670	0.10	75.0
	6SVP15M	6	15	220	700	0.12	47.0
	6SVP22M	6	22	220	700	0.12	69.3
	4SVP22M	4	22	200	740	0.15	44.0
	4SVP33M	4	33	200	740	0.15	66.0
B6	20SVP10M	20	10	170	850	0.10	100
	16SVP15M	16	15	150	920	0.10	120
	16SVP22M	16	22	150	920	0.15	176
	10SVP22M	10	22	130	990	0.15	110
	10SVP33M	10	33	130	990	0.15	165
	6SVP33M	6	33	90	1,060	0.15	104

		LOW ESR SMD CAPACITOR OS-CON SVP SERIES TABLE					
	6SVP47M	6	47	90	1,060	0.15	148
	4SVP39M	4	39	70	1,100	0.15	78
	4SVP68M	4	68	70	1,100	0.15	136
C6	25SVP6R8M	25	6.8	80	1,200	0.10	85
	20SVP22M	20	22	65	1,390	0.12	88
	16SVP27M	16	27	65	1,390	0.12	86
	16SVP39M	16	39	65	1,390	0.12	125
	10SVP47M	10	47	60	1,450	0.12	94
	10SVP56M	10	56	55	1,510	0.12	112
	6SVP56M	6	56	55	1,510	0.12	71
	6SVP82M	6	82	50	1,570	0.12	103
	4SVP82M	4	82	50	1,570	0.12	66
	4SVP100M	4	100	50	1,620	0.12	80
	4SVP150MX	4	150	50	1,620	0.12	120
E7	25SVP10M	25	10	60	1,500	0.10	125
	20SVP33M	20	33	50	1,700	0.12	132
	20SVP47M	20	47	50	1,700	0.12	188
	16SVP56M	16	56	50	1,800	0.12	179
	16SVP82M	16	82	45	1,890	0.12	262
	10SVP82M	10	82	45	1,890	0.12	164
	10SVP120M	10	120	40	2,120	0.12	240
	6SVP120M	6	120	40	2,120	0.12	151
	6SVP150M	6	150	35	2,350	0.12	189
	4SVP150M	4	150	35	2,350	0.12	120
	4SVP220M	4	220	35	2,560	0.12	176
	4SVP330M	4	330	35	2,560	0.12	264
F8	25SVP22M	25	22	50	2,000	0.10	275
	20SVP56M	20	56	45	2,200	0.12	224
	20SVP68M	20	68	45	2,200	0.12	272
	16SVP100M	16	100	40	2,400	0.12	320
	16SVP150M	16	150	35	2,670	0.12	480
	10SVP150M	10	150	35	2,670	0.12	300
	10SVP270M	10	270	30	3,020	0.12	540
	6SVP220M	6	220	30	3,020	0.12	277
	6SVP330M	6	330	25	3,300	0.12	416
	4SVP470M	4	470	25	3,700	0.12	376
	4SVP680M	4	680	25	3,700	0.12	544
	25SVP33M	25	33	30	2,980	0.12	413
	20SVP100M	20	100	25	3,260	0.15	400
	16SVP180M	16	180	22	3,480	0.15	576

		LOW ESR SMD CAPACITOR OS-CON SVP SERIES TABLE					
	10SVP330M	10	330	19	3,740	0.15	660
	6SVP470M	6	470	17	3,960	0.15	592
	4SVP560M	4	560	16	4,080	0.15	448
	2R5SVP680M	2.5	680	16	4,080	0.15	340
F12	25SVP56M	25	56	28	3,800	0.12	700
	20SVP150M	20	150	21	4,220	0.15	600
	16SVP330M	16	330	17	4,580	0.15	792
	10SVP560M	10	560	15	4,870	0.15	840
	6SVP820M	6	820	14	5,040	0.15	775
	4SVP1200M	4	1200	13	5,230	0.18	960
	2R5SVP1500M	2.5	1500	13	5,230	0.18	750

Specifications subject to change due to technical improvements.

Red part numbers are under development.

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