

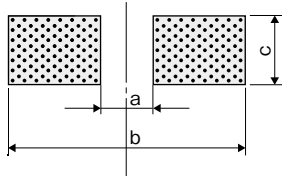
SVPC series characteristics list

Size code	Part number	Rated voltage (V)	Rated capacitance (μF)	ESR (mΩ) (max)		Rated ripple current 100kHz (mA _{rms}) at 105°C	DF (% max)	Leakage current (μA)(max) After 2 minutes
				100kHz/20°C	300kHz/20°C*1			
B6	16SVPC39M	16	39	35	30	1820	12	300
	16SVPC39MV	16	39	27	23	2350	12	300
	10SVPC68M	10	68	30	26	1970	12	300
	10SVPC68MV	10	68	23	20	2540	12	300
	6SVPC100M	6.3	100	30	26	1970	12	300
	6SVPC100MY	6.3	100	25	21	2150	12	300
	6SVPC120MV	6.3	120	21	18	2660	12	300
	4SVPC150M	4.0	150	30	26	1970	12	300
	4SVPC150MY	4.0	150	23	20	2240	12	300
	4SVPC150MV	4.0	150	20	17	2730	12	300
	2R5SVPC180M	2.5	180	30	26	1970	12	300
	2R5SVPC180MY	2.5	180	24	20	2200	12	300
	2R5SVPC180MV	2.5	180	19	16	2800	12	300
	C6	16SVPC68M	16	68	30	26	2200	12
16SVPC68MV		16	68	25	22	2440	12	300
16SVPC100M		16	100	24	23	2490	12	300
10SVPC120M		10	120	27	23	2320	12	300
10SVPC120MV		10	120	22	19	2600	12	300
6SVPC220M		6.3	220	27	23	2320	12	300
6SVPC220MV		6.3	220	15	13	3160	12	300
6SVPC330M		6.3	330	17	15	3390	12	415
4SVPC330M		4.0	330	27	23	2320	12	300
4SVPC330MY		4.0	330	21	18	2630	12	300
4SVPC330MV		4.0	330	15	13	3160	12	300
2R5SVPC390M		2.5	390	25	22	2410	12	300
2R5SVPC390MV		2.5	390	15	13	3160	12	300
2R5SVPC560M		2.5	560	16	14	3500	12	300
E7	16SVPC120M	16	120	27	23	2900	12	500
	16SVPC150M	16	150	22	21	3220	12	500
	10SVPC270M	10	270	22	19	3220	12	500
	6SVPC390M	6.3	390	22	19	3220	12	491
	4SVPC560M	4.0	560	22	19	3220	12	500
	2R5SVPC680M	2.5	680	20	17	3370	12	500
E12	16SVPC270M	16	270	16	14	4070	15	864
	6SVPC820M	6.3	820	12	10	4700	15	1033
	4SVPC560MX	4.0	560	9	8	5380	15	500
	4SVPC1200M	4.0	1200	12	10	4700	15	960
	4SVPC1500M	4.0	1500	12	10	4700	15	1200
	2R5SVPC820M	2.5	820	9	8	5380	15	500
2R5SVPC1500M	2.5	1500	10	9	5150	15	750	
F12	2R5SVPC2700M	2.5	2700	12	10	5070	15	1350

*1 The ESR value in 300kHz is a reference one.

Recommended land pattern dimension of PWB

(unit : mm)



Size code	a	b	c
B6	1.4	7.4	1.6
C6	2.1	9.1	1.6
E7	2.8	11.1	1.9
E12	2.8	11.1	1.9
F12	4.3	13.1	1.9

Frequency coefficient for ripple current

Frequency	120Hz ≤ f < 1kHz	1kHz ≤ f < 10kHz	10kHz ≤ f < 100kHz	100kHz ≤ f ≤ 500kHz
Coefficient	0.05	0.3	0.7	1

Series system
diagram
Image of
case size
Products list
Packing
specifications
(SMD type)
Packing
specifications
(Radial lead type)

Recommended
soldering
condition
Fundamental
structure
Characteristics
Reliability

SVPF
SVPE
SVPS
SVPD
SVPC
SVPB
SVPA
SVQP
SVP

SEPF
SEPC
SEQP
SEP

Catalog Deletion and
EOL series

POSCAP
POSCAP
Line-up

Guidelines and
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Series system
diagram
Image of
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Products list
Explanation of
part numbers
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Marking
Recommended
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condition
Fundamental
structure
Characteristics
Reliability

TPU
TPH
TPG
TPSF
TPE
TPB/TPC
TPL·TPLF
TPF
TA
TV
TH
TQC

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EOL models

Mouser Electronics

Authorized Distributor

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[4SVPC560M](#) [4SVPC330MY](#) [10SVPC120M](#) [4SVPC330MV](#) [2R5SVPC1500M](#) [2R5SVPC180MY](#) [16SVPC39MV](#)
[4SVPC1200M](#) [16SVPC150M](#) [6SVPC390M](#) [4SVPC150MV](#) [4SVPC560MX](#) [2R5SVPC390MV](#) [10SVPC68M](#)
[16SVPC120M](#) [6SVPC330M](#) [6SVPC120MV](#) [2R5SVPC820M](#) [2R5SVPC180MV](#) [10SVPC270M](#) [16SVPC270M](#)
[2R5SVPC680M](#) [6SVPC820M](#) [6SVPC220MV](#) [16SVPC100M](#) [2R5SVPC560M](#) [6SVPC100M](#) [2R5SVPC2700M](#)
[6SVPC220M](#) [4SVPC150MY](#) [16SVPC39M](#) [4SVPC330M](#) [4SVPC150M](#) [16SVPC68MV](#) [10SVPC330M](#)