

SVPE series characteristics list

Size code	Part number	Rated voltage (V)	Rated capacitance (μF)	ESR(mΩ) (max)		Rated ripple current 100kHz (mA rms) at 105℃	DF (% max)	Leakage current (μA) (max) After 2 minutes
				100kHz/20℃	300kHz/20℃※1			
B6	6SVPE150M	6.3	150	12	10	3520	12	500
	6SVPE180M	6.3	180	15	13	3150	12	500
	6SVPE220MW	6.3	220	15	13	3150	12	500
	2R5SVPE270M	2.5	270	10	9	3860	12	500
	2R5SVPE330M	2.5	330	15	13	3150	12	500
	2R5SVPE330MY	2.5	330	10	9	3860	12	500
	2R5SVPE390MX	2.5	390	10	9	3860	12	700
C6	10SVPE220M	10	220	20	18	2700	12	500
	6SVPE220M	6.3	220	10	9	3900	12	500
	2R5SVPE390M	2.5	390	10	9	3900	12	500
C10	16SVPE180M	16	180	11	10	4460	12	576
	2SVPE1200M	2.0	1200	8	8	5230	12	500
F12	16SVPE470M	16	470	10	9	6100	12	1504

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

Recommended land pattern dimension of PWB

The diagram illustrates the recommended land pattern dimensions for a PWB. It shows a rectangular pad with a width labeled 'a' and a length labeled 'b'. The distance from the center of the pad to the edge of the pad is labeled 'c'. The pad is shown in two orientations: horizontally and vertically. The pad is filled with a stippled pattern, and the dimensions are indicated by arrows and labels.

(unit : mm)			
Size code	a	b	c
B6	1.4	7.4	1.6
C6	2.1	9.1	1.6
C10	2.1	9.1	1.6
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