

SVPD series characteristics list

Size code	Part number	Rated voltage (V)	Rated capacitance (μF)	ESR(mΩ) (max) 100kHz to 300kHz/20℃	Rated ripple current	Allowable ripple current	DF (% max)	Leakage current (μA)(max) After 2 minutes
					100kHz (mArms)			
					105℃<Tx≤125℃※1	Tx≤105℃※1		
C6	25SVPD10M	25	10	65	474	1500	10	50
	10SVPD56M	10	56	45	538	1700	12	112
E7	35SVPD8R2M	35	8.2	70	400	1300	10	57
	25SVPD22M	25	22	48	580	1835	10	110
	16SVPD82M	16	82	40	670	2120	12	262
F8	35SVPD18M	35	18	60	550	1800	10	126
	25SVPD39M	25	39	45	664	2100	10	195
E12	35SVPD22M	35	22	50	700	2300	12	154
	25SVPD47M	25	47	30	943	2980	12	235
F12	35SVPD47M	35	47	30	1150	3650	12	329
	25SVPD82M	25	82	28	1202	3800	12	410

※1 T_x : Ambient temperature

Recommended land pattern dimension of PWB

The diagram illustrates the recommended land pattern dimensions for the SVPD series. It shows a rectangular pad with a stippled pattern. The width of the pad is labeled 'a', and the length is labeled 'b'. The distance from the center of the pad to the edge of the mounting area is labeled 'c'. The total width of the mounting area is labeled '2c'.

(unit : mm)

Size code	a	b	c
C6	2.1	9.1	1.6
E7	2.8	11.1	1.9
F8	4.3	13.1	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