

SV series



Features

- ★ Ultra Low ESR at high frequency range
- ★ Very Large permissible ripple current
- ★ Applicable to computer motherboards, server, graphics cards, game machine etc., the miniaturization of products more suitable for matching with the new high speed CPU, make the circuit miniaturization.

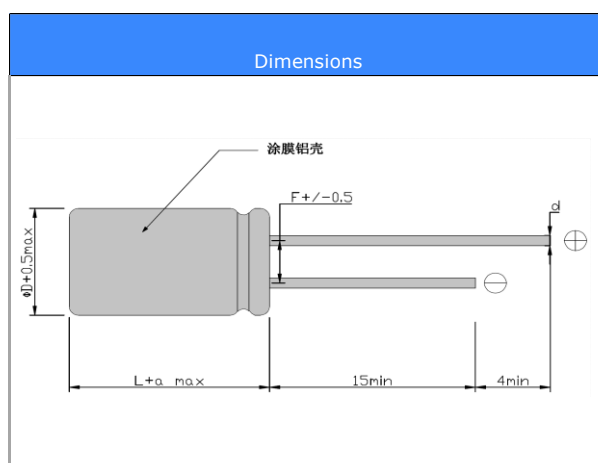
适用于电脑主板、服务器、显卡、游戏机主板等，更有小型化产品适合与新型高速CPU配合使用，使得电路小型化。

Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+105℃	
Rated Voltage Range	2.5~10vdc	
Capacitance Tolerance	±20%(120Hz,+20℃)	
Leakage Current(+20℃,max)	≤0.2CV(uA,after 2 minutes)	
Dissipation Factor(tanδ,at 20℃,120Hz)	Not exceed the value specified	
ESR(100KHz)	Not exceed the value specified	
Endurance 105℃,2000h,at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified
Moisture Resistance Stored at 60℃,RH90~95%,1000h	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified

Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1



Size

Unit: mm

ΦDXL	ΦD+0.5 max.	a	F±0.5	Φd±0.05	
5X7/8	5	1	2	0.45/0.5	
5X9/10	5	1	2	0.5	
5X9E/10E /11E	5.5	1	2.5	0.5	
6.3X7/8/9	6.3	1	2.5	0.5/0.6	
6.3X11/12	6.3	1	2.5	0.5/0.6	
8X7/8	8	1	3.5	0.6	
8X8P/11P /12P	8	1.5	2.5	0.6	
8X11.5/12.5 /15	8	1.5	3.5	0.6	
10X12.5/13.5/15	10	1.5	5	0.6	

SV series

Dimensions & Characteristics

Ripple Current(mA.rms) at 105°C,100KHz

W.V (V)	Capacitance (uF)	LC. (uA,2min)	tgδ (120Hz,20°C)	ESR (mΩ,100KHz)	Rated Ripple Current (mA,rms)	Size ΦDXL(mm)	Part Number
6.3	330	416	6	6	3700	6.3X8	SV337M6R3E0800
6.3	390	491	6	6	5700	6.3X8	SV397M6R3E0800
6.3	470	592	6	6	4700	6.3X8	SV477M6R3E0800
6.3	560	706	6	6	4700	6.3X8	SV567M6R3E0800
6.3	560	706	6	6	5700	8X8	SV567M6R3F0800
6.3	680	857	6	6	4700	6.3X9	SV687M6R3E0900
6.3	680	857	6	6	5700	8X8	SV687M6R3F0800
6.3	820	1033	6	6	4700	6.3X11	SV827M6R3E1100
6.3	820	1033	6	6	5700	8X8	SV827M6R3F0800
6.3	1000	1260	6	6	6100	8X11.5	SV108M6R3F1150
6.3	1200	1512	6	6	6100	8X11.5	SV128M6R3F1150
6.3	1500	1890	6	6	6100	10X12.5	SV158M6R3G1250
10	220	440	6	8	3200	6.3X8	SV227M010E0800
10	270	540	6	8	4100	6.3X8	SV277M010E0800
10	330	660	6	8	4100	6.3X8	SV337M010E0800
10	390	780	6	7	5000	8X8	SV397M010F0800
10	470	940	6	8	4700	6.3X9	SV477M010E0900
10	470	940	6	7	5000	8X8	SV477M010F0800
10	560	1120	6	8	5000	6.3X12	SV567M010E1200
10	560	1120	6	7	5600	8X8	SV567M010F0800
10	680	1360	6	7	5800	8X11.5	SV687M010F1150
10	820	1640	6	7	6100	8X11.5	SV827M010F1150
10	1000	2000	6	7	6100	10X12.5	SV108M010G1250
10	1200	2400	6	7	6200	10X12.5	SV128M010G1250