

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.

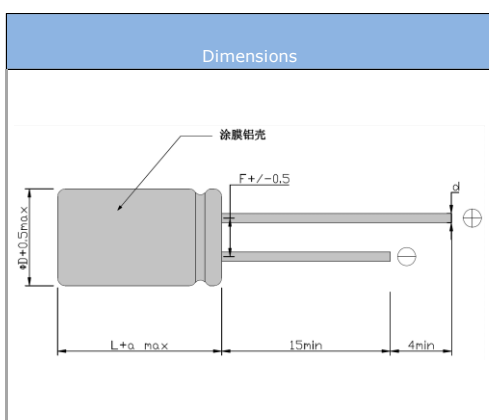
适用于电脑主板、服务器、显卡、游戏机主板等，更有小型化产品适合与新型高速CPU配合使用，使得电路小型化。

Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+105℃	
Rated Voltage Range	2.5~20vdc	
Capacitance Tolerance	±20%(120Hz,+20℃)	
Leakage Current(+20℃,max)	$\leq 0.2CV$ or 500uA whichever is greater (After rated voltage applied for 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

$\Phi D \times L$	$\Phi D \pm 0.5 \text{ max.}$	a	F±0.5	$\Phi d \pm 0.05$	
5X7/8	5	1	2	0.45/0.5	
5X9/10/11	5	1	2	0.5	
5X7E/9E/10E/11E	5.5	1	2.5	0.5	
6.3X5/6/7/8/9	6.3	1	2.5	0.5/0.6	
6.3X11/12/14	6.3	1	2.5	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	
10X11.5/12.5/13.5/15	10	1.5	5	0.6	



Dimensions & Characteristics

Ripple Current(mA.rms) at 105℃,100KHz

W.V (V)	Capacitance (uF)	LC. (uA,2min)	tgδ (120Hz,20℃)	ESR (mΩ,100KHz)	Rated Ripple Current (mA,rms)	Size ΦDXL(mm)	Part Number
6.3	330	500	6	6	4100	6.3X8	SV337M6R3E0800
6.3	390	500	6	6	4100	6.3X8	SV397M6R3E0800
6.3	470	592.2	6	6	4700	6.3X8	SV477M6R3E0800
6.3	560	705.6	6	6	4700	6.3X8	SV567M6R3E0800
6.3	560	705.6	6	6	5700	8X8	SV567M6R3F0800
6.3	680	856.8	6	6	4700	6.3X9	SV687M6R3E0900
6.3	680	856.8	6	6	5700	8X8	SV687M6R3F0800
6.3	820	1033.2	6	6	4700	6.3X11	SV827M6R3E1100
6.3	820	1033.2	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	8X11.5	SV158M6R3F1150
6.3	1500	1890	6	6	6100	10X12.5	SV158M6R3G1250
6.3	2200	2772	8	6	6100	10X12.5	SV228M6R3G1250
10	220	500	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
16	330	1056	6	14	5000	8X11.5	SV337M016F1150
16	1000	3200	6	14	5800	10X12.5	SV108M016G1250
16	1200	3840	6	14	5800	10X12.5	SV128M016G1250
20	1000	4000	6	14	5800	10X12.5	SV108M020G1250