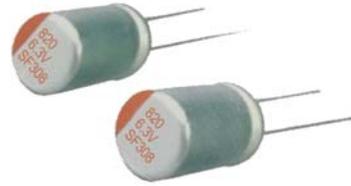


## SF series Long Life to 5000Hours

### Features

- ★ Super Long Life to 5000Hours
- ★ Low ESR at high frequency range
- ★ Electronic products suitable for long time work and electronic equipment, such as: computer motherboards, graphics cards, server motherboard, LED lighting driver power supply.

适用于长时间工作的电子产品及电子设备，如：电脑主板、服务器主板、显卡、LED照明驱动电源。

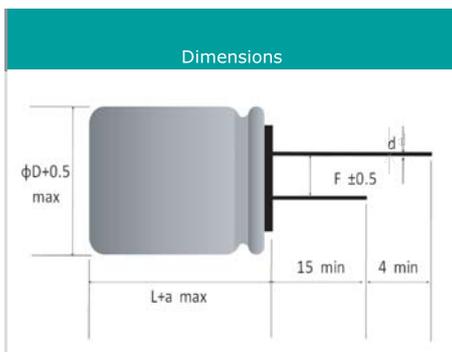


### Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+105℃	
Rated Voltage Range	2.5~16vdc	
Capacitance Tolerance	±20%(120Hz,+20℃)	
Leakage Current(+20℃,max)	≤0.2CV(μA,after 2 minutes)	
Dissipation Factor(tanδ,at 20℃,120Hz)	Not exceed the value specified	
ESR(100KHz)	Not exceed the value specified	
Endurance 105℃,5000h,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
5X9	5	1	2	0.45
6.3X7	6.3	1	2.5	0.5/0.6
6.3X8	6.3	1	2.5	0.5/0.6
6.3X9	6.3	1	2.5	0.5/0.6
6.3X11	6.3	1	2.5	0.6
8X8	8	1	3.5	0.6
8X11.5	8	1.5	3.5	0.6
10X12.5	10	1.5	5	0.6



**Size List**

WV(SV) Cap(uF)	2.5 (2.8)	4 (4.6)	6.3 (7.2)	10 (11.5)	16 (18.4)		
100					6.3X11		
180					8X11.5		
220					8X11.5		
270					8X11.5		
330					8X11.5/10X12.5		
390					8X11.5/10X12.5		
470			8X8	8X8	8X11.5/10X12.5		
560		8X8	8X8	8X8	10X12.5		
680		8X8	8X8	8X11.5	10X12.5		
820	8X8	8X8	8X8/8X11.5	8X11.5/10X12.5	10X12.5		
1000	8X8	8X8	8X8/8X11.5	10X12.5			
1200	8X8	8X11.5/10X12.5	8X11.5/10X12.5	10X12.5			
1500	8X11.5	10X12.5	10X12.5				
2000	10X12.5	10X12.5					
2500	10X12.5						
2700	10X12.5						

**Dimensions & Characteristics**

Ripple Current(mA,rms) at 105°C,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
2.5	820	410	8	10	6100	8X8	SF827M2R5F0800
2.5	1000	500	8	10	6100	8X8	SF108M2R5F0800
2.5	1200	600	8	10	6100	8X8	SF128M2R5F0800
2.5	1500	750	8	10	6100	8X11.5	SF158M2R5F1150
2.5	2000	1000	8	10	6640	10X12.5	SF208M2R5G1250
2.5	2500	1250	8	10	6640	10X12.5	SF258M2R5G1250
2.5	2700	1350	8	10	6640	10X12.5	SF278M2R5G1250
4	560	448	8	10	6100	8X8	SF567M004F0800
4	680	544	8	10	6100	8X8	SF687M004F0800
4	820	656	8	10	6100	8X8	SF827M004F0800
4	1000	800	8	10	6100	8X8	SF108M004F0800
4	1200	960	8	10	6640	10X12.5	SF128M004G1250
4	1200	960	8	10	6100	8X11.5	SF128M004F1150
4	1500	1200	8	10	6640	10X12.5	SF158M004G1250
4	2000	1600	8	10	6640	10X12.5	SF208M004G1250
6.3	470	592	8	10	6100	8X8	SF477M6R3F0800
6.3	560	706	8	10	6100	8X8	SF567M6R3F0800
6.3	680	857	8	10	6100	8X8	SF687M6R3F0800
6.3	820	1033	10	10	6100	8X11.5	SF827M6R3F1150
6.3	820	1033	10	10	6100	8X8	SF827M6R3F0800
6.3	1000	1260	10	10	6100	8X11.5	SF108M6R3F1150
6.3	1000	1260	10	10	6100	8X8	SF108M6R3F0800
6.3	1200	1512	10	10	6640	10X12.5	SF128M6R3G1250
6.3	1200	1512	10	10	6100	8X11.5	SF128M6R3F1150
6.3	1500	1890	10	10	6640	10X12.5	SF158M6R3G1250
10	470	940	8	13	6100	8X8	SF477M010F0800
10	560	1120	10	13	6100	8X8	SF567M010F0800
10	680	1360	10	13	6100	8X11.5	SF687M010F1150
10	820	1640	10	13	6640	10X12.5	SF827M010G1250
10	820	1640	10	13	6100	8X11.5	SF827M010F1150
10	1000	2000	10	13	6640	10X12.5	SF108M010G1250
10	1200	2400	10	13	6640	10X12.5	SF128M010G1250
16	100	320	12	16	4800	6.3X11	SF107M016E1100
16	180	576	12	16	5600	8X11.5	SF187M016F1150
16	220	704	12	16	5600	8X11.5	SF227M016F1150
16	270	864	12	16	5600	8X11.5	SF277M016F1150
16	330	1056	12	16	6100	10X12.5	SF337M016G1250
16	330	1056	12	16	5600	8X11.5	SF337M016F1150
16	390	1248	12	16	6100	10X12.5	SF397M016G1250
16	390	1248	12	16	5600	8X11.5	SF397M016F1150
16	470	1504	12	16	6100	10X12.5	SF477M016G1250
16	470	1504	12	16	5600	8X11.5	SF477M016F1150
16	560	1792	12	16	6100	10X12.5	SF567M016G1250
16	680	2176	12	16	6100	10X12.5	SF687M016G1250
16	820	2624	12	16	6100	10X12.5	SF827M016G1250