

SS series

Features

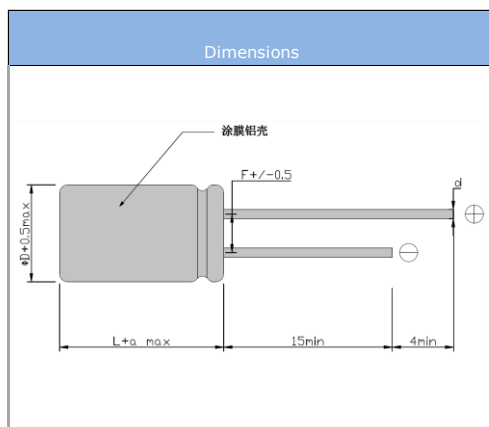
- ★ Low ESR at high frequency range
- ★ Large permissible ripple current
- ★ Applicable to DC-DC converter, communication power supply, set-top boxes, router, TV, voltage regulator, mobile phone adapter (mobile phone charger), computer motherboard and graphics card.
适用于DC-DC转换器、通讯电源、机顶盒、路由器、TV、电压调节器、手机适配器（手机充电器）、电脑主板和显卡。

Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+105℃	
Rated Voltage Range	2.5~25vdc	
Capacitance Tolerance	±20%(120Hz,+20℃)	
Leakage Current(+20℃,max)	≤ 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
	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	
5X9/10/11	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	

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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	500	8	16	4100	6.3X8	SS827M2R5E0800
2.5	1500	750	8	16	4500	10X12.5	SS158M2R5G1250
6.3	220	500	8	21	2690	5X7	SS227M6R3C07C0
6.3	220	500	8	21	2690	6.3X7	SS227M6R3E0700
6.3	270	500	8	21	2690	5X7	SS277M6R3C0700
6.3	270	500	8	21	2690	5X8	SS277M6R3C0800
6.3	270	500	8	21	2690	5.5X7	SS277M6R3C07E0
6.3	330	500	8	21	2690	5X8	SS337M6R3C0800
6.3	330	500	8	21	2690	5.5X7	SS337M6R3C07E0
6.3	330	500	8	21	2690	6.3X5	SS337M6R3E0500
6.3	330	500	8	21	2690	6.3X7	SS337M6R3E0700
6.3	330	500	8	21	2690	6.3X8	SS337M6R3E0800
6.3	390	500	8	21	2690	5X9	SS397M6R3C0900
6.3	470	592.2	8	14	4100	5X9	SS477M6R3C0900
6.3	470	592.2	8	14	4100	5.5X9	SS477M6R3C09E0
6.3	470	592.2	8	14	4100	6.3X6	SS477M6R3E0600
6.3	470	592.2	8	14	4100	6.3X7	SS477M6R3E0700
6.3	470	592.2	8	14	4100	6.3X8	SS477M6R3E0800
6.3	560	705.6	8	14	4100	5.5X9	SS567M6R3C09E0
6.3	560	705.6	8	14	4100	6.3X7	SS567M6R3E07D0
6.3	560	705.6	8	14	4100	6.3X8	SS567M6R3E0800
6.3	560	705.6	8	14	4500	8X8	SS567M6R3F0800
6.3	680	856.8	8	14	4500	6.3X8	SS687M6R3E08D0
6.3	680	856.8	8	14	4500	8X8	SS687M6R3F0800
6.3	680	856.8	8	14	4700	8X11.5	SS687M6R3F1150
6.3	820	1033.2	8	14	4500	5.5X11	SS827M6R3C11E0
6.3	820	1033.2	8	14	4500	6.3X8	SS827M6R3E08D0
6.3	820	1033.2	8	14	4500	6.3X9	SS827M6R3E0900
6.3	820	1033.2	8	14	4500	6.3X11	SS827M6R3E1100
6.3	820	1033.2	8	14	4500	8X8	SS827M6R3F0800
6.3	1000	1260	8	14	4500	6.3X9	SS108M6R3E09D0
6.3	1000	1260	8	14	4500	6.3X12	SS108M6R3E1200
6.3	1000	1260	8	14	4500	8X8	SS108M6R3F0800
6.3	1000	1260	8	14	4500	8X8	SS108M6R3F08PG
6.3	1000	1260	8	14	4700	8X11	SS108M6R3F11PG
6.3	1000	1260	8	14	4700	8X11.5	SS108M6R3F1150
6.3	1200	1512	8	14	4500	6.3X12	SS128M6R3E12D0
6.3	1200	1512	8	14	4700	8X11	SS128M6R3F11PG
6.3	1200	1512	8	14	4700	8X11.5	SS128M6R3F1150

SS series

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
6.3	1500	1890	8	14	4100	6.3X14	SS158M6R3E1400
6.3	1500	1890	8	14	4900	8X11	SS158M6R3F11PG
6.3	1500	1890	8	14	4900	8X11.5	SS158M6R3F1150
6.3	1500	1890	8	14	4900	10X12.5	SS158M6R3G1250
6.3	2200	2772	8	14	4900	10X12.5	SS228M6R3G1250
6.3	3300	4158	8	14	4900	10X12.5	SS338M6R3G1250
6.8	330	500	8	16	2690	5X8	SS337M6R8C0800
6.8	470	639.2	8	16	4100	6.3X8	SS477M6R8E0800
6.8	680	924.8	8	16	4100	8X8	SS687M6R8F0800
6.8	820	1115.2	8	16	4100	6.3X9	SS827M6R8E0900
7.5	330	500	8	16	2690	5.5X7	SS337M7R5C07E0
7.5	330	500	8	16	4100	6.3X8	SS337M7R5E0800
7.5	470	705	8	16	4100	5X9	SS477M7R5C0900
7.5	470	705	8	16	4100	5.5X9	SS477M7R5C09E0
7.5	470	705	8	16	4100	6.3X8	SS477M7R5E0800
7.5	560	840	8	16	4100	6.3X8	SS567M7R5E0800
7.5	680	1020	8	16	4100	6.3X8	SS687M7R5E08D0
7.5	820	1230	8	16	4100	6.3X11	SS827M7R5E1100
7.5	1000	1500	8	16	4100	8X11.5	SS108M7R5F1150
7.5	1200	1800	8	16	4100	8X11.5	SS128M7R5F1150
7.5	2000	3000	10	16	4100	10X12.5	SS208M7R5G1250
10	100	500	8	18	2690	5X7	SS107M010C07C0
10	220	500	8	16	2690	5X9	SS227M010C0900
10	220	500	8	16	2690	6.3X8	SS227M010E0800
10	270	540	8	16	2690	6.3X8	SS277M010E0800
10	330	660	8	16	4100	6.3X8	SS337M010E0800
10	470	940	8	14	4100	6.3X9	SS477M010E0900
10	470	940	8	14	4500	8X8	SS477M010F0800
10	560	1120	8	14	4100	6.3X9	SS567M010E09D0
10	560	1120	8	14	4500	8X8	SS567M010F0800
10	680	1360	8	14	4100	6.3X12	SS687M010E1200
10	820	1640	8	14	4500	8X11	SS827M010F11PG
10	820	1640	8	14	4500	8X11.5	SS827M010F1150
10	1000	2000	8	14	4500	8X11.5	SS108M010F1150
10	1500	3000	8	14	4900	10X12.5	SS158M010G1250
10	2000	4000	10	14	4900	10X12.5	SS208M010G1250
12	390	936	8	35	4100	6.3X8	SS397M012E0800
16	82	300	8	40	2690	5X7	SS826M016C07C0

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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
16	100	320	8	40	2690	5X7	SS107M016C07C0
16	100	320	8	40	2690	6.3X5	SS107M016E0500
16	100	320	8	40	2690	6.3X8	SS107M016E0800
16	150	480	8	35	2690	5.5X9	SS157M016C09E0
16	180	576	8	35	2690	5X8	SS187M016C0800
16	180	576	8	35	2690	5X9	SS187M016C0900
16	180	576	8	35	2690	5.5X7	SS187M016C07E0
16	180	576	8	35	2690	6.3X7	SS187M016E0700
16	220	704	8	35	2690	5.5X9	SS227M016C09E0
16	220	704	8	35	2690	6.3X5	SS227M016E0500
16	220	704	8	30	2690	6.3X7	SS227M016E0700
16	220	704	8	30	2690	6.3X8	SS227M016E0800
16	220	704	8	30	3500	6.3X11	SS227M016E1100
16	220	704	8	30	4100	8X8	SS227M016F0800
16	270	864	8	22	2690	5.5X9	SS277M016C09E0
16	270	864	8	22	3500	6.3X8	SS277M016E0800
16	270	864	8	22	3500	6.3X9	SS277M016E0900
16	270	864	8	22	4100	8X8	SS277M016F0800
16	330	1056	8	22	3500	5.5X9	SS337M016C09E0
16	330	1056	8	22	3500	5.5X11	SS337M016C11E0
16	330	1056	8	22	4100	6.3X8	SS337M016E08D0
16	330	1056	8	22	4100	6.3X9	SS337M016E0900
16	330	1056	8	22	4100	6.3X11	SS337M016E1100
16	330	1056	8	22	4100	8X7	SS337M016F0700
16	330	1056	8	22	4100	8X8	SS337M016F0800
16	470	1504	8	22	4100	5.5X11	SS477M016C11E0
16	470	1504	8	22	4100	6.3X9	SS477M016E0900
16	470	1504	8	22	4100	6.3X11.5	SS477M016E1150
16	470	1504	8	22	4500	8X11	SS477M016F11PG
16	470	1504	8	22	4500	8X11.5	SS477M016F1150
16	470	1504	8	22	4500	10X12.5	SS477M016G1250
16	560	1792	8	22	4100	6.3X12	SS567M016E1200
16	560	1792	8	22	4500	8X11.5	SS567M016F1150
16	680	2176	8	22	4100	6.3X11	SS687M016E1100
16	680	2176	8	22	4100	6.3X12	SS687M016E1200
16	680	2176	8	22	4100	6.3X12	SS687M016E12D0
16	680	2176	8	22	4100	6.3X14	SS687M016E1400
16	680	2176	8	22	4500	8X11	SS687M016F11PG
16	680	2176	8	22	4500	8X11.5	SS687M016F1150
16	680	2176	8	22	4700	10X12.5	SS687M016G1250

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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
16	820	2624	8	22	4100	6.3X14	SS827M016E1400
16	820	2624	8	22	4500	8X12	SS827M016F12PG
16	820	2624	8	22	4500	8X12.5	SS827M016F1250
16	820	2624	8	22	4700	10X12.5	SS827M016G1250
16	1000	3200	10	22	4500	8X12	SS108M016F12PG
16	1000	3200	10	22	4500	8X15	SS108M016F1500
16	1000	3200	10	22	4500	10X12.5	SS108M016G1250
16	1200	3840	10	22	4500	10X12.5	SS128M016G1250
16	1500	4800	10	22	4500	8X15	SS158M016F1500
16	1500	4800	10	22	4500	10X12.5	SS158M016G1250
16	1500	4800	10	22	4500	10X15	SS158M016G1500
16	2200	7040	12	22	4500	10X15	SS228M016G1500
16	3300	10560	12	22	4500	10X20	SS338M016G2000
20	220	880	12	35	4100	6.3X8	SS227M020E0800
20	820	3280	12	35	4500	10X12.5	SS827M020G1250
20	2200	8800	12	22	4500	10X20	SS228M020G2000
25	47	300	12	60	4100	5X7	SS476M025C07C0
25	100	500	12	45	4100	5X7	SS107M025C07C0
25	100	500	12	45	4100	5X9	SS107M025C0900
25	100	500	12	45	4100	6.3X5	SS107M025E0500
25	100	500	12	45	4100	6.3X7	SS107M025E0700
25	150	750	12	45	4100	5X9	SS157M025C0900
25	220	1000	12	35	4100	5.5X11	SS227M025C11E0
25	220	1000	12	35	4100	6.3X8	SS227M025E0800
25	270	1000	12	35	4100	6.3X8	SS277M025E0800
25	270	1000	12	35	4100	6.3X9	SS277M025E0900
25	330	1000	12	35	4100	5.5X11	SS337M025C11E0
25	330	1000	12	35	4100	6.3X9	SS337M025E09D0
25	330	1000	12	35	4100	6.3X12	SS337M025E1200
25	330	1000	12	35	4100	8X8	SS337M025F0800
25	330	1000	12	35	4100	8X11.5	SS337M025F1150
25	390	1000	12	35	4100	6.3X12	SS397M025E1200
25	470	1000	12	35	4100	6.3X12	SS477M025E12D0
25	470	1000	12	35	4100	6.3X14	SS477M025E1400
25	470	1000	12	35	4100	8X11	SS477M025F11PG
25	470	1000	12	35	4100	8X11.5	SS477M025F1150
25	470	1000	12	35	4100	10X12.5	SS477M025G1250
25	560	1000	12	35	4100	6.3X14	SS567M025E14D0
25	560	1000	12	35	4100	10X12.5	SS567M025G1250

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W.V (V)	Capacitance (uF)	LC. (uA,2min)	tgδ (120Hz,20℃)	ESR (mΩ,100KHz)	Rated Ripple Current (mA,rms)	Size ΦDXL(mm)	Part Number
25	680	1000	12	35	4100	6.3X14	SS687M025E14D0
25	680	1000	12	35	4100	8X12.5	SS687M025F1250
25	680	1000	12	35	4100	8X15	SS687M025F1500
25	680	1000	12	35	4100	10X12.5	SS687M025G1250
25	820	1000	12	35	4100	8X15	SS827M025F1500
25	820	1000	12	35	4100	10X12.5	SS827M025G1250
25	1000	1000	12	35	4100	8X15	SS108M025F1500
25	1000	1000	12	35	4100	10X12.5	SS108M025G1250
25	1000	1000	12	35	4100	10X15	SS108M025G1500
25	1500	1000	12	35	4100	10X15	SS158M025G1500