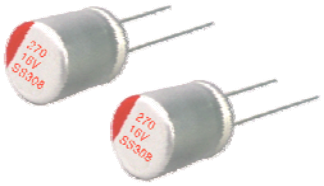
SS series Standard Products



Features

★ Low ESR at high frequerncy 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。

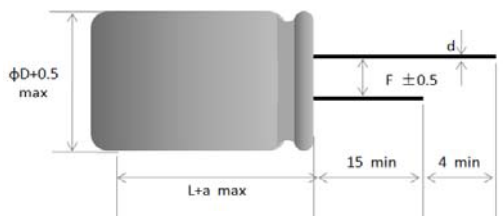
Specifications

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(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

Dimensions



Size

Unit：mm

ΦDXL	ΦD+0.5 max.	a	F±0.5	Φd±0.05	
5X7/8	5	1	2	0.45	
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	0.6	
6.3X11/12	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	8	1.5	3.5	0.6	
10X12.5	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
2.5	270	300	6	18	2690	5X7	SS277M2R5C07C0
2.5	330	300	6	18	2690	5X8	SS337M2R5C0800
2.5	390	300	6	18	2690	5X8	SS397M2R5C0800
2.5	470	300	6	18	2690	5X8	SS477M2R5C0800
2.5	560	300	6	16	4100	6.3X8	SS567M2R5E0800
2.5	680	340	6	16	4100	6.3X8	SS687M2R5E0800
2.5	820	410	6	16	4500	8X8	SS827M2R5F0800
2.5	820	410	6	16	4100	6.3X8	SS827M2R5E0800
2.5	1000	500	6	14	4500	8X8	SS108M2R5F0800
2.5	1200	600	6	14	4500	8X8	SS128M2R5F0800
2.5	1200	600	6	14	4500	8X11.5	SS128M2R5F1150
2.5	1500	750	6	14	4500	8X8	SS158M2R5F0800
2.5	1500	750	6	14	4500	8X11.5	SS158M2R5F1150
2.5	1500	750	6	14	4500	10X12.5	SS158M2R5G1250
2.5	2000	1000	6	14	4500	8X11.5	SS208M2R5F1150
2.5	2000	1000	6	14	4900	10X12.5	SS208M2R5G1250
2.5	2500	1250	6	14	4900	10X12.5	SS258M2R5G1250
2.5	2700	1350	6	14	4900	10X12.5	SS278M2R5G1250
2.5	3000	1500	6	14	4900	10X12.5	SS308M2R5G1250
2.5	3300	1650	6	14	4900	10X12.5	SS338M2R5G1250
2.5	3500	1750	6	14	4900	10X12.5	SS358M2R5G1250
4	220	300	6	16	2690	5X7	SS227M004C07C0
4	270	300	6	16	2690	5X7	SS277M004C07C0
4	330	300	6	16	2690	5X8	SS337M004C0800
4	390	312	6	16	2690	5X8	SS397M004C0800
4	560	448	6	16	4500	8X8	SS567M004F0800
4	560	448	6	16	4100	6.3X8	SS567M004E0800
4	680	544	6	14	4500	8X8	SS687M004F0800
4	820	656	6	14	4500	8X8	SS827M004F0800
4	1000	800	6	14	4500	8X11.5	SS108M004F1150
4	1200	960	6	14	4500	8X11.5	SS128M004F1150
4	1500	1200	6	14	4500	8X11.5	SS158M004F1150
4	2000	1600	6	14	4900	10X12.5	SS208M004G1250
4	2500	2000	6	14	4900	10X12.5	SS258M004G1250
4	2700	2160	6	14	4900	10X12.5	SS278M004G1250
6.3	100	300	6	14	2690	5X7	SS107M6R3C07C0
6.3	180	300	6	14	2690	5X8	SS187M6R3C0800

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	220	300	6	14	2690	5X7	SS227M6R3C0700
6.3	220	300	6	14	2690	5X7	SS227M6R3C07C0
6.3	220	300	6	14	2690	5X8	SS227M6R3C0800
6.3	270	340.2	6	14	2690	5X7	SS277M6R3C0700
6.3	270	340.2	6	14	2690	5X8	SS277M6R3C0800
6.3	270	340.2	6	14	2690	5X7	SS277M6R3C07C0
6.3	270	340.2	6	14	2690	6.3X8	SS277M6R3E0800
6.3	330	415.8	6	14	2690	5X7	SS337M6R3C0800
6.3	330	415.8	6	14	2690	6.3X7	SS337M6R3E0700
6.3	330	415.8	6	14	2690	6.3X8	SS337M6R3E0800
6.3	330	415.8	6	14	2690	6.3X8	SS337M6R3E08A0
6.3	390	491.4	6	14	2690	5X9	SS397M6R3C0900
6.3	390	491.4	6	14	2690	6.3X7	SS397M6R3E0700
6.3	390	491.4	6	14	2690	6.3X8	SS397M6R3E0800
6.3	470	592.2	6	14	4100	5X9	SS477M6R3C0900
6.3	470	592.2	6	14	4100	6.3X7	SS477M6R3E0700
6.3	470	592.2	6	14	4100	6.3X8	SS477M6R3E0800
6.3	560	705.6	6	14	4500	8X8	SS567M6R3F0800
6.3	560	705.6	6	14	4100	6.3X7	SS567M6R3E0700
6.3	560	705.6	6	14	4100	6.3X8	SS567M6R3E0800
6.3	680	856.8	6	14	4500	6.3X8	SS687M6R3E0800
6.3	680	856.8	6	14	4500	8X8	SS687M6R3F0800
6.3	820	1033.2	6	14	4500	6.3X9	SS827M6R3E0900
6.3	820	1033.2	6	14	4500	6.3X9	SS827M6R3E09D0
6.3	820	1033.2	6	14	4500	6.3X11	SS827M6R3E1100
6.3	820	1033.2	6	14	4500	8X8	SS827M6R3F0800
6.3	1000	1260	6	14	4500	8X8	SS108M6R3F0800
6.3	1000	1260	6	14	4500	8X11.5	SS108M6R3F1150
6.3	1200	1512	6	14	4500	8X11.5	SS128M6R3F1150
6.3	1500	1890	6	14	4500	8X11.5	SS158M6R3F1150
6.3	1500	1890	6	14	4900	10X12.5	SS158M6R3G1250
6.3	2000	2520	6	14	4900	10X12.5	SS208M6R3G1250
6.8	330	448.8	6	16	2690	5X8	SS337M6R8C0800
7.5	390	585	6	16	2690	5X9	SS397M7R5C0900
10	100	300	6	18	2690	5X7	SS107M010C07C0
10	150	300	6	18	2690	5X8	SS157M010C0800
10	150	300	6	18	2690	6.3X7	SS157M010E0700

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
10	180	360	6	16	2690	5X8	SS187M010C0800
10	180	360	6	16	2690	6.3X7	SS187M010E0700
10	220	440	6	16	2690	5X8	SS227M010C0800
10	220	440	6	16	2690	5X9	SS227M010C0900
10	220	440	6	16	2690	6.3X7	SS227M010E0700
10	220	440	6	16	2690	6.3X8	SS227M010E0800
10	270	540	6	16	2690	5X8	SS277M010C0800
10	270	540	6	16	2690	6.3X7	SS277M010E0700
10	270	540	6	16	2690	6.3X8	SS277M010E0800
10	330	660	6	16	4500	8X8	SS337M010F0800
10	330	660	6	16	4100	6.3X8	SS337M010E0800
10	390	780	6	14	4500	8X8	SS397M010F0800
10	470	940	6	14	4100	6.3X9	SS477M010E09D0
10	470	940	6	14	4500	6.3X11	SS477M010E1100
10	470	940	6	14	4500	8X8	SS477M010F0800
10	560	1120	6	14	4500	8X8	SS567M010F0800
10	560	1120	6	14	4500	8X11.5	SS567M010F1150
10	680	1360	6	14	4500	8X8	SS687M010F0800
10	680	1360	6	14	4500	8X11.5	SS687M010F1150
10	820	1640	6	14	4500	8X8	SS827M010F0800
10	820	1640	6	14	4500	8X11.5	SS827M010F1150
10	1000	2000	6	14	4500	8X11.5	SS108M010F1150
10	1000	2000	6	14	4900	10X12.5	SS108M010G1250
10	1500	3000	6	14	4900	10X12.5	SS158M010G1250
12	330	792	6	16	4100	6.3X9	SS337M012E0900
12	390	936	6	16	4100	6.3X8	SS397M012E0800
16	47	300	8	20	2690	5X7	SS476M016C07C0
16	68	300	8	20	2690	5X7	SS686M016C07C0
16	82	300	8	20	2690	5X7	SS826M016C07C0
16	100	320	8	20	2690	5X7C	SS107M016C07C0
16	100	320	8	20	2690	6.3X8	SS107M016E0800
16	100	320	8	20	2690	5X8	SS107M016C0800
16	100	320	8	20	2690	6.3X7	SS107M016E0700
16	150	480	8	20	2690	6.3X8	SS157M016E0800
16	150	480	8	20	2690	6.3X7	SS157M016E0700
16	180	576	8	20	2690	5X9	SS187M016C0900
16	180	576	8	20	2690	6.3X8	SS187M016E0800

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
16	220	704	8	20	4100	8X8	SS227M016F0800
16	220	704	8	20	3500	6.3X8	SS227M016E0800
16	220	704	8	20	3500	6.3X11	SS227M016E1100
16	270	864	8	16	4100	8X8	SS277M016F0800
16	270	864	8	16	3500	6.3X9	SS277M016E0900
16	270	864	8	16	3500	6.3X9	SS277M016E09D0
16	270	864	8	16	3500	6.3X11	SS277M016E1100
16	330	1056	8	16	4100	6.3X11	SS337M016E1100
16	330	1056	8	16	4100	6.3X9	SS337M016E0900
16	330	1056	8	16	4100	6.3X9	SS337M016E09D0
16	330	1056	8	16	4100	8X7	SS337M016F0700
16	330	1056	8	16	4100	8X8	SS337M016F0800
16	390	1248	8	16	4500	8X8	SS397M016F0800
16	470	1504	8	16	4100	6.3X11.5	SS477M016E1150
16	470	1504	8	16	4100	6.3X12	SS477M016E1200
16	470	1504	8	22	4500	8X11.5	SS477M016F1150
16	470	1504	8	22	4500	8X8	SS477M016F0800
16	560	1792	8	22	4500	8X11.5	SS567M016F1150
16	680	2176	8	22	4500	8X11.5	SS687M016F1150
16	820	2624	8	22	4500	8X12.5	SS827M016F1250
16	820	2624	8	22	4900	10X12.5	SS827M016G1250
16	1000	3200	8	22	4500	10X12.5	SS108M016G1250
16	1200	3840	8	22	4500	10X12.5	SS128M016G1250
20	33	300	8	45	1950	5X8	SS336M020C0800
20	33	300	8	45	1950	6.3X7	SS336M020E0700
20	33	300	8	45	1950	6.3x8	SS336M020E0800
20	39	300	8	45	1950	5X8	SS396M020C0800
20	39	300	8	45	1950	6.3X7	SS396M020E0700
20	39	300	8	45	1950	6.3x8	SS396M020E0800
20	47	300	8	45	1950	5X8	SS476M020C0800
20	47	300	8	45	1950	6.3X7	SS476M020E0700
20	47	300	8	45	1950	6.3x8	SS476M020E0800
20	68	300	8	40	3500	8X8	SS686M020F0800
20	68	300	8	40	2900	6.3X8	SS686M020E0800
20	68	300	8	40	2900	6.3X9	SS686M020E0900
20	82	328	8	40	2900	6.3X8	SS826M020E0800
20	82	328	8	40	2900	6.3X9	SS826M020E0900

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
20	100	400	8	40	3500	8X8	SS107M020E0800
20	100	400	8	40	2900	6.3X9	SS107M020E0900
20	150	600	8	40	4100	8X11.5	SS157M020F1150
20	150	600	8	40	3500	8X8	SS157M020F0800
20	180	720	8	35	4100	8X11.5	SS187M020F1150
20	220	880	8	35	4100	8X11.5	SS227M020F1150
20	220	880	8	35	4100	8X8	SS227M020F0800
20	270	1080	8	35	4100	8X11.5	SS277M020F1150
20	330	1320	8	35	4100	8X11.5	SS337M020F1150
25	10	300	12	45	1950	5X7	SS106M025C07C0
25	22	300	12	45	1950	5X8	SS226M025C0800
25	33	300	12	45	1950	5X8	SS336M025C0800
25	33	300	12	45	1950	6.3X8	SS336M025E0800
25	39	300	12	45	1950	6.3X8	SS396M025E0800
25	47	300	12	40	2100	6.3X8	SS476M025E0800
25	68	340	12	40	2900	6.3X9	SS686M025E0900
25	68	340	12	40	3500	8X8	SS686M025F0800
25	68	340	12	40	2900	6.3X8	SS686M025E0800
25	82	410	12	40	2900	6.3X9	SS826M025E0900
25	82	410	12	40	3500	8X8	SS826M025F0800
25	82	410	12	40	2900	6.3X8	SS826M025E0800
25	100	500	12	40	2900	6.3X9	SS107M025E0900
25	100	500	12	40	3500	8X8	SS107M025F0800
25	100	500	12	40	2900	6.3X8	SS107M025E0800
25	150	750	12	35	4100	8X11.5	SS157M025F1150
25	150	750	12	35	2900	6.3X9	SS157M025E0900
25	150	750	12	35	2900	6.3X11	SS157M025E1100
25	180	900	12	35	4100	8X11.5	SS187M025F1150
25	220	1100	12	35	4100	8X11.5	SS227M025F1150
25	270	1350	12	35	4100	8X11.5	SS277M025F1150
25	330	1650	12	35	4100	8X11.5	SS337M025F1150

Unikeyic Electronics

Global Electronic Components Distributor

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HONORCAP:

HT1C228M1016PC HV1V476M0605PZ RVE1V221M1010 RVT1C470M0605 RVT1H2R2M0405
HF1C108M0615PC HT1B337M0509PC GVT2A220M0607 HG1V107M0607PC RVT1C221M0607
HS0Q337M0508PC HV1J226M0607PZ RVE1H100M0605 RVT1HR47M0405 HF1E567M0615PC
HG1H227M1016PC HT0J827M0609PC RVE1E100M0405 RVT1H1R0M0405 UV2E100M1010
HF1E477M1012PC HT1E128M1016PC RVT1H220M0605 RVT1J4R7M0505 HF1E107M0811PC
HS0J477M0508PC RVT1A101M0605 RVT1H331M1010 HG1V827M1016PC HT1C158M0816PC