

SSP SERIES(Lug/Snap-in Terminal Type插入/自立型,Long Life長壽命)

- Highly reliable capacitors that withstand under high ripple current.
- Best for switching power supplies.



◆ SPECIFICATIONS

Item	Performance Characteristics																					
Operating temperature range	-40 to +105°C	-25 to +105°C																				
Rated Working Voltage Range	160 to 250V	315 to 450V																				
Nominal Capacitance Range	56 to 1500 µF																					
Capacitance Tolerance	±20(120Hz,+20°C)																					
Leakage Current	I ≤ 0.03CV or 3mA whichever is smaller after 2minutes application of rated working voltage at +20°C																					
Dissipation Factor	<table border="1"> <tr> <td>Working Voltage(V)</td> <td>160</td> <td>180</td> <td>200</td> <td>250</td> <td>315</td> <td>350</td> </tr> <tr> <td>tan δ(max)</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> </tr> </table> <table border="1"> <tr> <td>Working Voltage(V)</td> <td>400</td> <td>450</td> </tr> <tr> <td>tan δ(max)</td> <td>0.15</td> <td>0.20</td> </tr> </table>		Working Voltage(V)	160	180	200	250	315	350	tan δ(max)	0.15	0.15	0.15	0.15	0.15	0.15	Working Voltage(V)	400	450	tan δ(max)	0.15	0.20
Working Voltage(V)	160	180	200	250	315	350																
tan δ(max)	0.15	0.15	0.15	0.15	0.15	0.15																
Working Voltage(V)	400	450																				
tan δ(max)	0.15	0.20																				
tan δ(120Hz,+20°C)	<table border="1"> <tr> <td>Working Voltage(V)</td> <td>400</td> <td>450</td> </tr> <tr> <td>tan δ(max)</td> <td>0.15</td> <td>0.20</td> </tr> </table>		Working Voltage(V)	400	450	tan δ(max)	0.15	0.20														
Working Voltage(V)	400	450																				
tan δ(max)	0.15	0.20																				
Low Temperature Characteristics	Impedance ratio max at 120Hz <table border="1"> <tr> <td>Working Voltage(V)</td> <td>160~250</td> <td>315~450</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>3</td> <td>8</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>12</td> <td>~</td> </tr> </table>		Working Voltage(V)	160~250	315~450	Z-25°C/Z+20°C	3	8	Z-40°C/Z+20°C	12	~											
Working Voltage(V)	160~250	315~450																				
Z-25°C/Z+20°C	3	8																				
Z-40°C/Z+20°C	12	~																				
High Temperature Loading	Test time :7000 hours Test temp : 105°C Test condition :Rated DC working voltage with the max ripple current Post test requirements at +20°C Leakage current : ≤ Initial specified value Cap.Change :within ±25%of Initial measured value tan δ : ≤ 250% of Initial specified value																					
Shelf Life	At 105°C no voltage applied after 1000hours the capacitors shall meet the following limits. Leakage current : ≤ Initial specified value Cap . Change :within ±15%of Initial measured value tan δ : ≤ 150% of Initial specified value																					

◆ RIPPLE CURRENT MULTIPLIER

(1) Frequency Coefficient

Rated voltage \ freq. (Hz)	60	120	1k	0~50K
160~250V	0.8	1.0	1.25	1.47
315~450V	0.8	1.0	1.30	1.47

(2) Temperature Coefficient

Temperatu	20~45	65	85	105
FACTOR	2	1.89	1.52	1.0

SSP

SERIES(Lug/Snap-in Terminal Type插入/自立型,Long Life長壽命)

◆ DIMENSIONS

Voltage	160V		200V		250V		315V	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
82							22*25	0.64
100							22*30	0.69
120							22*30	0.75
							25*25	0.78
150							22*35	0.82
							25*30	0.85
							30*25	0.83
180					22*30	0.84	22*40	0.90
							25*35	0.96
					25*25	0.90	30*25	0.93
220			22*25	0.86	20*30	0.93	22*45	1.00
							25*40	1.08
					25*25	0.95	30*30	1.06
270	22*25	0.86	22*30	0.92	22*35	0.98	25*45	1.10
				0.94			30*35	1.17
			25*25	0.93	25*30	1.03	35*30	1.12
330	22*30	0.88	22*30	0.97	20*40	1.08	25*50	1.20
					25*35	1.12	30*40	1.31
			25*25	1.00	30*25	1.10	35*30	1.24
390	22*30	0.93	22*35	1.05	22*45	1.18	30*45	1.30
			25*30	1.11	25*35	1.25		
	25*25	0.95	30*25	1.08	30*30	1.23	35*35	1.42
470	22*35	0.99	22*40	1.15	25*45	1.28	30*50	1.46
			25*35	1.20	30*35	1.38		
	25*30	1.02	30*30	1.16	35*30	1.25	35*40	1.48
560	22*40	1.08	22*45	1.32	25*50	1.42	35*45	1.58
	25*30	1.12	25*35	1.36	30*35	1.44		
	30*25	1.09	30*30	1.33	35*30	1.42		
680	22*45	1.18	25*40	1.41	30*45	1.53	35*50	1.70
	25*35	1.23						
	30*30	1.20	30*35	1.43	35*35	1.56		
820	25*40	1.32	25*50	1.45	30*50	1.63		
			30*40	1.48				
	30*30	1.36	35*30	1.52	35*40	1.64		
1000	25*45	1.38	30*45	1.58	35*45	1.72		
	30*35	1.42	35*35	1.55				
1200	25*50	1.49	30*50	1.64	35*50	1.78		
	30*40	1.51						
	35*35	1.50	35*40	1.68				
1500	30*45	1.57	35*50	1.70				
	35*35	1.60						

Maximum Allowable Ripple Current (A rms) at 105°C 120Hz

Case Size ΦD X L (mm)

SSP

SERIES(Lug/Snap-in Terminal Type插入/自立型,Long Life長壽命)

◆ DIMENSIONS

Voltage	350V		400V		450V			
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple		
56					22*35	0.47		
					25*25	0.45		
68			22*30	0.56	22*40	0.53		
			25*25	0.55	25*30	0.51		
82	22*25	0.64	22*35	0.64	22*45	0.56		
					25*35	0.53		
			25*25	0.64	30*25	0.56		
100	22*30	0.69	22*35	0.69	22*50	0.64		
			30*30	0.73	25*40	0.68		
	25*25	0.69	25*30	0.69	30*30	0.69		
120	22*35	0.75	22*40	0.75	25*45	0.72		
			25*35	0.73	25*50	0.78		
	25*30	0.75	30*25	0.71	30*30	0.74		
150	22*40	0.82	22*50	0.81	25*50	0.79		
	25*30	0.85	25*40	0.83	30*40	0.76		
	30*25	0.83	30*30	0.80	35*30	0.78		
180	22*45	0.92	25*45	0.90	30*45	0.87		
	25*35	0.95	30*35	0.92	35*35	0.88		
	30*30	0.96	35*25	0.88	30*50	0.86		
220	22*50	1.00	25*50	0.95	30*50	0.91		
	25*40	1.03	30*40	0.97				
	30*30	1.04	35*30	0.98	35*40	0.93		
330	30*45	1.20	30*50	1.16	35*50	1.05		
	35*35	1.22	35*40	1.17				
390	30*50	1.30	35*40	1.25				
	35*40	1.36	35*45	1.28				
470	35*40	1.40	35*50	1.34				
560	35*50	1.50						

Maximum Allowable Ripple Current (A rms) at 105°C 120Hz

Case Size ΦD X L (mm)