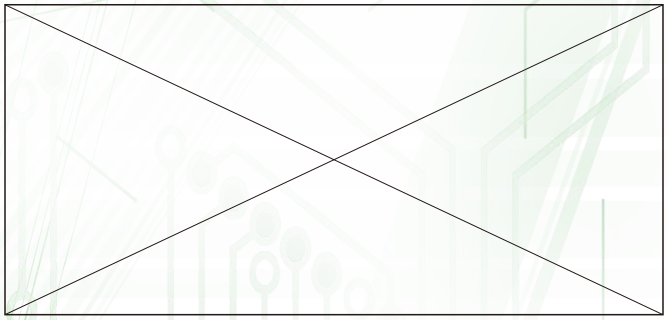
SS series

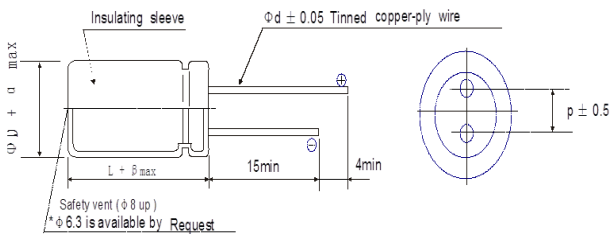


- The SS series is very small case size but possess the same high quality and performance as our standard size unit . They can replace more expensive dipped tantalum capacitors in most applications.
- Ultraminiature series with 5mm height.
- Rohs compliance.

■ SPECIFICATIONS

Item	Characteristics
Operating Temperature Range	- 40 ~ +85℃
Voltage Range	4 ~50 V.DC
Nominal Cap. Range	0.1 ~ 220 μF
Capacitance Tolerance	- 20% ~ + 20% (at 20℃, 120Hz)
Leakage Current	I = 0.01CV or 3(μA) whichever is greater.(after 2 minutes) where,I: Max Leakage Current(μA), C: Nominal Capacitance(μF), V: Rated Voltage(V) (at 20℃)
Dissipation Factor (tanδ) (at 120Hz, +20℃)	WV: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 tanδ: 0.35 / 0.24 / 0.20 / 0.16 / 0.14 / 0.12 / 0.10
Low Temp. Impedance Stability at 120Hz	W. V.: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 Z(-25℃) / Z(+20℃): 7 / 4 / 3 / 2 / 2 / 2 / 2 Z(-40℃) / Z(+20℃): 15 / 10 / 8 / 6 / 4 / 3 / 3
High Temp. Load Test	After 1000 hours, application of DC rated working voltage at 85℃, the capacitor shall meet the following limits: Capacitance change ... ≦±20% of the initial measured value(4V: ± 25%) Tan δ ... ≦150% of the initial specified value(4V: 200%) DC leakage current ... ≦ the initial specified value
High Temp. Non-Load Test	After storage for 500 hours at 85℃ with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High temperature loading" can be met.

●DRAWING



Unit:(mm)

ΦD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
Φd	0.45			0.5
β	1.0			
α	0.5			

▼ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Freq.(Hz) / Cap(μF)	60(50)	120	1K	10K
0.1~47	0.80	1.0	1.20	1.35
100~220	0.80	1.0	1.15	1.20

◆ PART NUMBERING SYSTEM

SS	□□□	□	□□□	□	□□
Series	Rated Cap.	Cap. Tolerance	Rated Voltage	Case Size D	Case Size L

SS Series

WV(Vdc)	4		6.3		10		16		25		35		50	
	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple	ΦDxL	Ripple
	(mm)	current	(mm)	current	(mm)	current	(mm)	current	(mm)	current	(mm)	current	(mm)	current
Cap (μF)		(mArms)		(mArms)		(mArms)		(mArms)		(mArms)		(mArms)		(mArms)
0.1													4X5	1
(0.15)													4X5	4
0.22													4X5	2
0.33													4X5	3
0.47													4X5	4
													5X5	7
(0.68)													4X5	9
1.0													4X5	10
(1.5)													4X5	16
2.2											4X5	10	4X5	15
3.3									4X5	13	4X5	16	4X5	18
													5X5	18
4.7							4X5	14	4X5	14	4X5	17	5X5	23
											5X5	19		
(6.8)					4X5	19	4X5	26	4X5	28	5X5	34	6.3X5	40
10			4X5	18	4X5	17	4X5	22	5X5	26	5X5	28	5X5	35
													6.3X5	38
15			4X5	31	4X5	34	5X5	44	5X5	49	6.3X5	59		
22	4X5	20	4X5	26	5X5	31	5X5	38	6.3X5	48	6.3X5	50		
33	4X5	24	4X5	35	5X5	43	5X5	47	6.3X5	60				
			5X5	35			6.3X5	55						
47	4X5	38	4X5	42	5X5	51	5X5	60						
					6.3X5	58	6.3X5	74						
(68)	5X5	64	6.3X5	70	6.3X5	97	8X5	85						
100	5X5	48	6.3X5	72	6.3X5	76	8X5	100						
220	6.3X5	56	8X5	115	8X5	124								

→ Rated Ripple Current (mArms) at 85 120Hz

→ Case Size: ΦDxL(mm)