



SS & SS-H Series

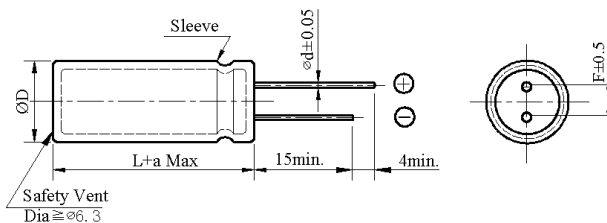
- Standard miniature series with 7mm height at 85 °C & 105°C



◆ SPECIFICATIONS

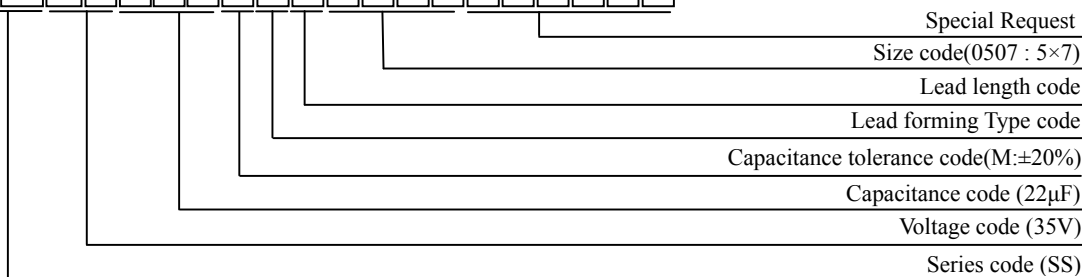
Item	Performance Characteristics	
Series	SS	SS-H
Category Temperature Range	-40 ~ +85°C	-40 ~ +105°C
Working Voltage Range	6.3 ~ 63 Vdc	
Capacitance Range	0.1 ~ 330 µF	
Capacitance Tolerance	±20% (at 25°C and 120Hz)	
Dissipation Factor (tanδ) (at 25°C, 120Hz)	Rated Voltage (V)	6.3 10 16 25 35 50 63
	tanδ(Max)	0.24 0.20 0.16 0.14 0.12 0.10 0.10
The above values should be increased by 0.02 for every additional 1000µF		
Leakage Current	I=0.01CV or 3µA whichever is greater I : Leakage current (µA) C : Rated capacitance (µF) V : Rated voltage (V) Impress the rated voltage for 2 minutes	
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V)	6.3 10 16 25 35 50 63
	Z(-40°C)/Z(+20°C)	10 8 6 4 4 3 3
(at 120Hz)		
Endurance	The following requirements shall be satisfied when the capacitor are restored to 25°C after the rated voltage applied for 1,000 hours at 85°C(SS), or 1,000 hours at 105°C(SS-H).	
	Capacitance change	≧ ±25% of the initial value
	Dissipation factor(tanδ)	≧ 200% of the specified value
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25°C after the rated voltage applied for 500 hours at 85°C(SS), or 500 hours at 105°C(SS-H) without voltage applied.	
	Capacitance change	≧ ±25% of the initial value
	Dissipation factor(tanδ)	≧ 200% of the specified value
Leakage current	≧ 200% of the specified value	
	Others	Conforms to JIS-C-5101-4 (1998), characteristic W

◆ DIMENSIONS (mm)



ΦD	4	5	6.3	8×7
ΦD	ΦD + 0.5 Max			
Φd	0.45	0.45	0.45	0.45
F	1.5	2.0	2.5	3.5
a	L + 1.0 Max			

◆ PART NUMBER SYSTEM(Example : 35V 22µF)





SS Series

◆ Case size & Permissible rated ripple current: (mA rms) at 85°C / 120Hz

uF \ Vdc	6.3		10		16		25	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
0.1								
0.22								
0.33								
0.47								
1.0								
2.2								
3.3								
4.7							4×7	24
10					4×7	28	4×7	30
22	4×7	34	4×7	38	4×7	39	4×7	46
33	4×7	40	4×7	41	4×7	45	5×7	57
47	4×7	44	4×7	47	5×7	61	6.3×7	66
100	5×7	69	5×7	73	6.3×7	92	8×7	95
220	6.3×7	120	6.3×7	125	8×7	138		
330	8×7	150	8×7	155				

uF \ Vdc	35		50		63	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
0.1			4×7	2	4×7	4
0.22			4×7	2	4×7	4
0.33			4×7	3.5	4×7	4
0.47			4×7	5	4×7	6
1.0			4×7	10	4×7	13
2.2			4×7	19	4×7	21
3.3			4×7	24	4×7	26
4.7	4×7	24	4×7	26	5×7	33
10	5×7	32	5×7	40	6.3×7	45
22	5×7	51	6.3×7	60	8×7	68
33	6.3×7	60	8×7	62		
47	6.3×7	72	8×7	75		
100	8×7	98				

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	60	120	1K	10K	100K
6.3 ~ 25	0.75	1.00	1.10	1.13	1.20
35 ~ 63	0.80	1.00	1.15	1.20	1.25