

SS & SS-H

Feature: Standard miniature series with 7mm height at 85°C & 105°C.

SPECIFICATIONS

Item	Performance Characteristics	
Series	SS	SS-H
Category Temperature Range	-40 to +85°C	-40 to +105°C
Working Voltage Range	6.3 to 63Vdc	
Capacitance Range	0.1 to 330 μ F	
Capacitance Tolerance	$\pm 20\%$ (at 25°C 120Hz)	
Dissipation Factor (tan δ) (at 25°C 120Hz)	Rated Voltage (V)	6.3 10 16 25 35 50 63
	tan δ (Max)	0.24 0.20 0.16 0.14 0.12 0.10 0.10
Leakage Current	I=0.01CV or 3 μ A, whichever is greater I: Leakage current. (μ A) C:Rated capacitance. (μ F) V: Rated voltage. (V) The rated voltage is impressed for two minutes.	
Endurance	After applying rated voltage to the capacitor for 1,000 hours at 85°C(SS) or 1,000 hours at 105°C(SS-H) the following characteristics shall be satisfied when the capacitor has been restored to 25°C. Capacitance change $\leq \pm 25\%$ of the initial value Dissipation factor (tan δ) $\leq 200\%$ of the specified value Leakage current \leq specified value	
Shelf Life	After exposing the capacitor for 500 hours at 85°C(SS) or 500 hours at 105°C(SS-H) without applying voltage, the following characteristics shall be satisfied when the capacitor has been restored to 25°C. Capacitance change $\leq \pm 25\%$ of the initial value Dissipation factor (tan δ) $\leq 200\%$ of the specified value Leakage current $\leq 200\%$ of the specified value	
Others	Conforms to JIS C-5141 (1991), characteristic W	

RIPPLE CURRENT MULTIPLIERS

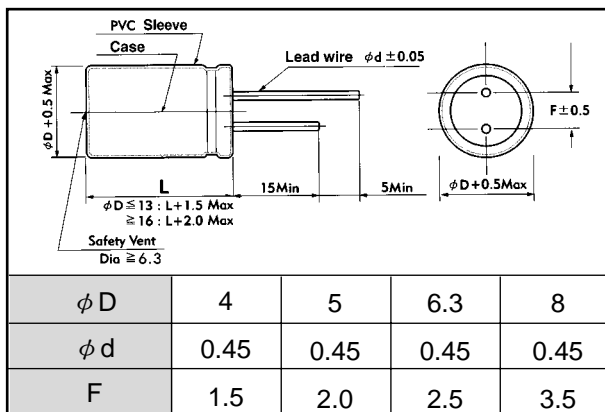
Temperature Multipliers

Temp (°C)		40	60	70	85	105
Factor	SS-H	1.50	1.40	1.25	1.15	1.00
	SS	1.35	1.28	1.15	1.00	-----

Frequency Multipliers

Vdc \ Freq.(Hz)	60	120	1K	10K	100K
6.3 to 25	0.75	1.00	1.10	1.13	1.20
35 to 63	0.80	1.00	1.15	1.20	1.25

DIMENSIONS(mm)



SS & SS-H

Case size & Permissible Ripple Current

Vdc μ F	SS							SS-H							
	6.3	10	16	25	35	50	63	6.3	10	16	25	35	50	63	
0.1						4x7	4x7						4x7	4x7	
						2	4						1	1	
0.22						4x7	4x7						4x7	4x7	
						2	4						2	2	
0.33						4x7	4x7						4x7	4x7	
						3.5	4						3	4	
0.47						4x7	4x7						4x7	4x7	
						5	6						5	6	
1.0						4x7	4x7						4x7	4x7	
						10	13						10	13	
2.2						4x7	4x7						4x7	4x7	
						19	21						19	21	
3.3						4x7	4x7						4x7	4x7	
						24	26						24	26	
4.7				4x7	4x7	4x7	5x7				4x7	4x7	4x7	5x7	
				24	24	26	33				15	20	29	33	
10			4x7	4x7	5x7	5x7	6.3x7				4x7	4x7	5x7	5x7	6.3x7
			28	30	32	40	45				28	29	30	32	35
22	4x7	4x7	4x7	5x7	5x7	6.3x7	8x7	4x7	4x7	4x7	5x7	5x7	6.3x7	8x7	
	34	38	39	46	51	60	68	34	35	37	45	47	50	52	
33	4x7	4x7	4x7	5x7	6.3x7	8x7		4x7	4x7	4x7	5x7	6.3x7	8x7		
	40	41	45	57	60	62		39	40	42	47	52	62		
47	4x7	4x7	5x7	6.3x7	6.3x7	8x7		4x7	4x7	5x7	6.3x7	6.3x7	8x7		
	44	47	61	66	72	75		40	41	60	61	62	70		
100	5x7	5x7	6.3x7	8x7	8x7			5x7	5x7	6.3x7	8x7	8x7			
	69	73	92	95	98			65	70	90	92	93			
220	6.3x7	6.3x7	8x7					6.3x7	6.3x7	8x7					
	120	125	138					100	102	105					
330	8x7	8x7	← Case size φ DXL(mm)					8x7	8x7	← Case size φ DXL(mm)					
	150	155	← Ripple current (mA rms) at 85°C, 120Hz					130	135	← Ripple current (mA rms) at 105°C, 120Hz					

LOAD LIFE TEST

