

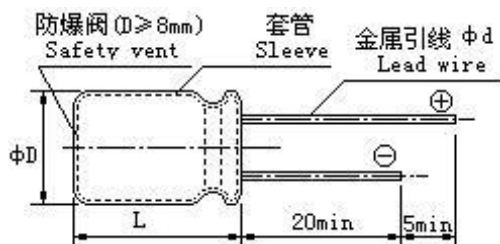
SS

- Small size, height 5mm
- Endurance 1000 hours at 105°C
- Comply with the RoHS

SPECIFICATIONS

Category Temperature	-40+105°C						
Voltage Range	6.3-50V.DC						
Capacitance Tolerance	±20%(120Hz,20°C)						
Leakage Current	I≤0.01CV(μA) or 3μA, whichever is greater (2 minutes)						
Dissipation Factor (120hz、20°C)	WV	6.3	10	16	25	35	50
	tgδ	0.26	0.22	0.18	0.16	0.14	0.12
When nominal capacitance is over 1000 μF, tanδ shall be added 0.02 to the list value with increase of every 1000 μF.							
Stability at Low Temperature (120Hz)	WV	6.3	10	16	25	35	50
	Z _{-25°C} /Z _{+20°C}	4	3	2	2	2	2
	Z _{-40°C} /Z _{+20°C}	8	6	4	3	3	3
Endurance	In an environment of +105°C, apply the operating voltage with ripple current for 1000 hours, and after 16 hours of recovery, the product performance meets the following requirements:						
	Capacitance	Within ±20%of initial measured					
	Dissipation Factor	≤200% of initial specified value					
	Leakage Current	≤initial specified value					
Shelf Life	In an environment of +105°C, apply the operating voltage with ripple current for 1000 hours, and after 16 hours of recovery, the product performance meets the following requirements:						
	Capacitance	Within ±20%of initial					
	Dissipation Factor	≤200% of initial specified					
	Leakage Current	≤200% of initial specified					

DRAWING & DIMENSIONS (Unit: mm)



ΦD	4	5	6.3	8
F±0.5	1.5	2.0	2.5	3.5
Φd±0.05	0.45	0.45	0.45	0.45
L	±1.5			
D	±0.5			

FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Capacitance(μF)	Frequency(Hz)	50	120	1K	≥10K
	Coefficient				
Capacitance<68		0.75	1.00	1.57	2.00
68≤ Capacitance<470		0.80	1.00	1.34	1.50

SS

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

	6.3V (0J)			10V (1A)			16V (1C)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
10							4X5	18	SS1C100M0405ABH00000
22	4X5	22	SS0J220M0405ABH00000	4X5	24	SS1A220M0405ABH00000	5X5	30	SS1C220M0505BBH00000
33	5X5	30	SS0J330M0505BBH00000	5X5	35	SS1A330M0505BBH00000	6.3X5	40	SS1C330M6L05CBH00000
47	5X5	36	SS0J470M0505BBH00000	6.3X5	46	SS1A470M6L05CBH00000	6.3X5	50	SS1C470M6L05CBH00000
100	6.3X5	60	SS0J101M6L05CBH00000	6.3X5	67	SS1A101M6L05CBH00000	6.3X5	73	SS1C101M6L05CBH00000
220	8X5	103	SS0J221M0805DBH00000	8X5	116	SS1A221M0805DBH00000	8X5	126	SS1C221M0805DBH00000
330	8X5	127	SS0J331M0805DBH00000						

	25V (1E)			35V (1V)			50V (1H)		
	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number	Dimensions (mm)	Ripple Current (mA)	Part Number
3.3				4X5	11	SS1V3R3M0405ABH00000	4X5	14	SS1H3R3M0405ABH00000
4.7	4X5	13	SS1E4R7M0405ABH00000	4X5	15	SS1V4R7M0405ABH00000	5X5	19	SS1H4R7M0505BBH00000
10	4X5	20	SS1E100M0405ABH00000	5X5	25	SS1V100M0505BBH00000	6.3X5	30	SS1H100M6L05CBH00000
22	6.3X5	38	SS1E220M6L05CBH00000	6.3X5	48	SS1V220M6L05CBH00000	8X5	52	SS1H220M0805DBH00000
33	6.3X5	48	SS1E330M6L05CBH00000	6.3X5	59	SS1V330M6L05CBH00000	8X5	63	SS1H330M0805DBH00000
47	6.3X5	58	SS1E470M6L05CBH00000	8X5	82	SS1V470M0805DBH00000			
100	8X5	97	SS1E101M0805DBH00000						

Rated ripple current: (105°C, 120Hz)