

S5X Series

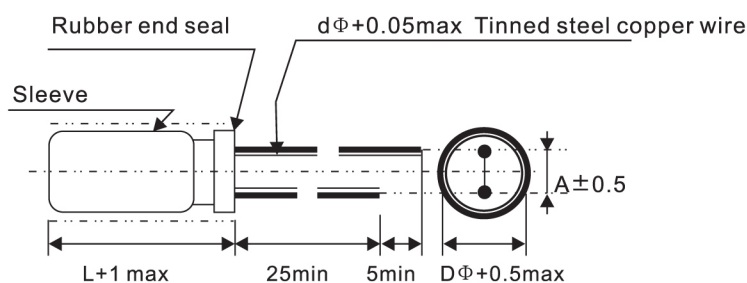
- 5mmL, height, 1000-hours at 105°C



• SPECIFICATIONS

Items	Characteristics							
Category								
Temperature Range	- 40 to +105°C							
Rated Voltage Range	6.3v to 50Vdc							
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)							
Leakage Current	I=0.01CV or 3 μ A , whichever is greater. Where, I :Max. Leakage current (μ A). C : Nominal capacitance (μ F) .V :Rated voltage(V) (at 20°C , after 2 minutes)							
Dissipation Factor (tan δ)	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V	50V	(at 20°C ,120Hz)
	tan δ (Max.)	0.25	0.19	0.16	0.14	0.12	0.10	
Low Temperature Characteristics	Impedance ration max at 120Hz							
	Working voltage	6.3v	10v	16v	25v	35v	50v	
	Z-25°C/ Z+20°C	6	4	3	2	2	2	
	Z-40°C/ Z+20°C	12	8	6	4	4	4	
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 1000 hours at 105°C							
	Capacitance change	≤ ±25% of the initial value						
	DF (tan δ)	≤200 % of the initial specified value						
	Leakage current	≤The initial specified value						
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied.							
	Capacitance change	≤ ±25% of the initial value						
	DF (tan δ)	≤200 % of the initial specified value						
	Leakage current	≤The initial specified value						
Ripple Current Multiplier	Temperature coefficient							
	Temperature(°C)	~55	60	70	85	105		
	Factor	2.20	2.10	2.00	1.75	1.00		
	Frequency coefficient							
	cap \freq	50	120	300	1K	10K~		
	~47	0.75	1.00	1.15	1.34	1.50		
	100~470	0.80	1.00	1.08	1.20	1.30		

• Diagram: (Unit: mm)



Body Dia ΦD	4	5	6
Lead Dia Φd	0.45	0.50	0.50
Lead Space A	1.5	2.0	2.5

◆ S5X series 5mmL, 105°C 標準品

● STANDARD RATING

μF \ Vdc	6.3		10		16		25		35		50	
0.1											4*5	1.0
0.22	Case size $\Phi D \times L$ (mm) Rated ripple current (mA rms) at 105°C, 120Hz										4*5	2.0
0.33											4*5	3.0
0.47											4*5	4.0
1.0											4*5	6.5
2.2									4*5	8.5	4*5	10
3.3							4*5	11	4*5	12	4*5	13
4.7					4*5	14	4*5	13	4*5	18	5*5	20
10			4*5	14	4*5	23	5*5	27	5*5	27	6.3*5	33
22	4*5	21	5*5	28	5*5	30	6.3*5	42	6.3*5	46	6.3*5	46
33	5*5	30	5*5	34	6.3*5	42	6.3*5	52	6.3*5	52		
47	5*5	36	6.3*5	43	6.3*5	48						
100	6.3*5	56	6.3*5	70	6.3*5	80						

Ripple Current : mA/rms at 120Hz 105°C

Chip Type SMD
Miniature Type
General Purpose
High Frequency Low Impedance
High Voltage High Reliability
Non-polar Type
Large Size Snap-in
Large Size Screw
X Metallized Polypropylene Film Capacitors