

SE Series

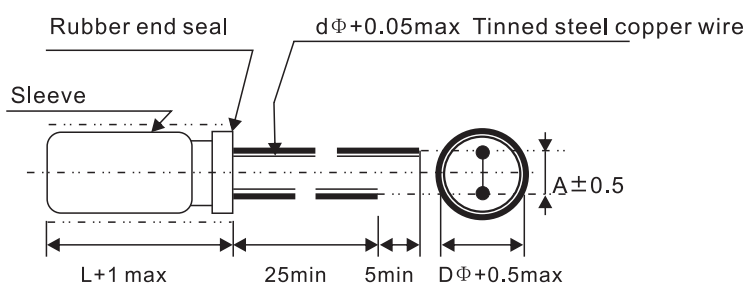


- 105°C 5mmL, low leakage current, accurate and reliability, suit for use in high stable circuits.

• 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 ≤ 0.002CV or 0.4 μA , whichever is greater. Where, I :Max. Leakage current (μA). C : Nominal capacitance (μF) .V :Rated voltage(V) (at 20°C , after 2 minutes)						
Dissipation Factor (tan δ)	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V	50V
	tan δ (Max.)	0.25	0.19	0.16	0.14	0.12	0.10 (at 20°C ,120Hz)
Low Temperature Characteristics	Impedance ration max at 120Hz						
	Working voltage	6.3v	10v	16v	25v	35v	50v
	Z-25°C/ Z+20°C	4	3	2	2	2	2
	Z-40°C/ Z+20°C	10	8	6	4	3	3
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	2.25	2.15	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		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



● STANDARD RATING

Vdc μF	6.3		10		16		25		35		50			
0.1											4*5	0.7		
0.22	Case size ΦD×L (mm) Rated ripple current (mA _{rms}) at 105°C, 120Hz										4*5	1.3		
0.33													4*5	1.9
0.47													4*5	2.8
1.0													4*5	5.5
2.2													4*5	9
3.3										4*5	12			
4.7							4*5	11	4*5	12	5*5	13		
10	4*5	11	4*5	12	4*5	15	5*5	18	5*5	20	6.3*5	22		
22	4*5	19	5*5	22	5*5	25	6.3*5	28	6.3*5	30				
33	5*5	25	5*5	27	6.3*5	30	6.3*5	35						
47	5*5	30	6.3*5	34	6.3*5	38								
100	6.3*5	37	6.3*5	42	6.3*5	50								

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