

SE Series

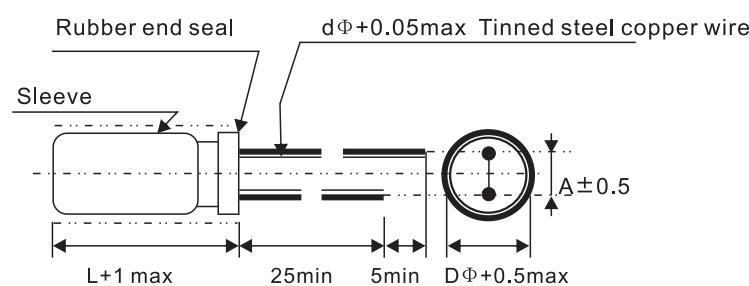


- 105 °C 5mmL, low leakage current, accurate and reliability, suit for use in high stable circuits.

- **SPECIFICATIONS**

Items	Characteristics						
Category Temperature Range	- 40 to +105°C						
Rated Voltage Range	6.3v to 50Vdc						
Capacitance Tolerance	$\pm 20\%$ (M) (at 20°C ,120Hz)						
Leakage Current	$I \leq 0.002CV$ or $0.4 \mu A$, 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)						
Impedance ration max at 120Hz							
Low Temperature Characteristics	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	$\leq \pm 25\%$ of the initial value					
	DF (tan δ)	$\leq 200\%$ of the initial specified value					
	Leakage current	\leq 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	$\leq \pm 25\%$ of the initial value					
	DF (tan δ)	$\leq 200\%$ of the initial specified value					
	Leakage current	\leq 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

◆ SE Series 5mmL, Low Leakage Current 105°C 低漏電品

• STANDARD RATING

μF	Vdc	6.3	10	16	25	35	50		
0.1								4*5	0.7
0.22								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	13
10	4*5	11	4*5	12	4*5	15	5*5	18	5*5
22	4*5	19	5*5	22	5*5	25	6.3*5	28	6.3*5
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 Fine Capacitors