◆SEX Series 5mmL, Low Leakage Current 105℃ 低漏電品

• STANDARD RATING

Vdc / μF	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	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						

Case size ΦD×L (mm)

Rated ripple current (mArms) at 105℃, 120Hz

Ripple Current : mA/rms at 120Hz 105℃

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

SEX 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

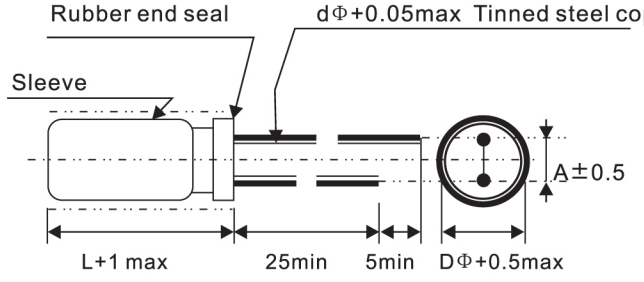
Temperature coefficient

Temperature(℃)	~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