

# SN Series

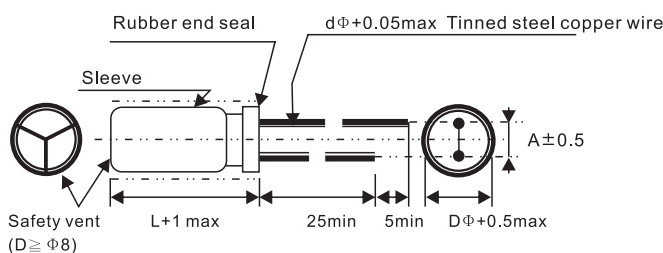


- 85°C, 7mmL, height, Non polar, Suitable for use in circuits whose polarity is reversed

• SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-40 to +85°C						
Rated Voltage Range	6.3 to 50Vdc						
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)						
Leakage Current	I=0.05CV or 10 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.)	0.24	0.20	0.16	0.16	0.14	0.12
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	8	6	4	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 85°C						
	Capacitance change	≤ ±20% 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 1000 hours at 85°C without voltage applied.						
	Capacitance change	≤ ±20% 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		
	Factor	1.65	1.50	1.30	1.00		
	Frequency coefficient						
	cap \ freq	50	120	300	1k	10k~	
	~47	0.75	1.00	1.35	1.57	2.00	
100~470	0.80	1.00	1.23	1.34	1.50		

• Diagram: (Unit: mm)



Body Dia ΦD	4	5	6	8
Lead Dia Φd	0.45	0.50	0.50	0.50
Lead Space A	1.5	2.0	2.5	3.5

