

SN Series

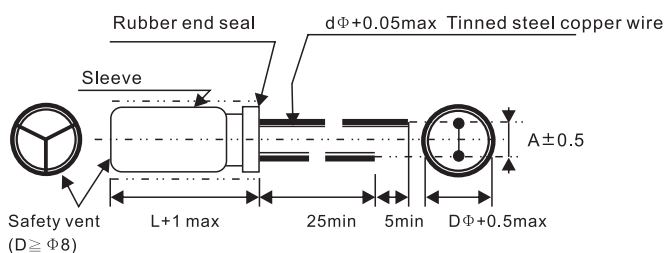


- 85°C, 7mmL, height, Non polar, Suitable for use in circuits whose polarity is reversed

● 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 + 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



● STANDARD RATING

μF \ Vdc	6.3		10		16		25		35		50						
0.1											4*7	1.0					
0.22	<div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 100%; height: 100%;"></div> <div style="margin-left: 10px;"> <p>Case size $\Phi D \times L$ (mm)</p> <p>Rated ripple current (mA_{rms}) at 85°C, 120Hz</p> </div> </div>												4*7	2.3			
0.33															4*7	3.5	
0.47																4*7	5.0
1.0																4*7	10
2.2																4*7	14
3.3									4*7	16	5*7	20					
4.7					4*7	18	5*7	21	5*7	22	6.3*7	27					
10			4*7	24	5*7	30	6.3*7	35	6.3*7	37	8*7	44					
22			5*7	40	6.3*7	51	6.3*7	53	8*7	63	8*7	65					
33	5*7	42	6.3*7	56	6.3*7	63	8*7	74	8*7	78							
47	6.3*7	58	6.3*7	67	6.3*7	75											
100	8*7	95	8*7	110	8*7	125											

Ripple Current : mA/rms at 120Hz 85°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