

# NK Series

• 105°C, 1000 hours Non-polar series



• SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	- 40 to +105°C									
Rated Voltage Range	6.3V to 100 Vdc									
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)									
Leakage Current	I=0.03CV or 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	63V	100V	
	tan δ (Max.)	0.26	0.24	0.22	0.20	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	63v	100v	
	Z-25°C/ Z+20°C	4	3	2	2	2	2	2	2	
	Z-40°C/ Z+20°C	8	6	4	3	3	3	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	≦ ±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 for 1000 hours at 105°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	105				
	Factor	2.23	2.17	2.00	1.75	1.00				
	Frequency coefficient									
	cap	freq	60	120	1k	10k	100k			
	~47		0.75	1.00	1.35	1.50	1.50			
	100~470		0.80	1.00	1.23	1.35	1.50			
560up		0.85	1.00	1.10	1.13	1.15				

Chip Type SMD

Miniature Type

General Purpose

High Frequency Low Impedance

High Voltage High Reliability

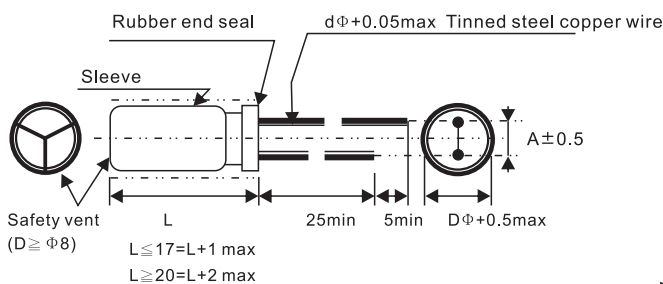
Non-polar Type

Large Size Snap-in

Large Size Screw

X Metallized Polypropylene Film Capacitors

• Diagram: (Unit: mm)



Body Dia ΦD	5	6	8	10	13		16
					L ≤ 21	L ≥ 25	
Lead Dia Φd	0.5			0.6	0.6	0.8	0.8
Lead Space A	2	2.5	3.5	5		7.5	

