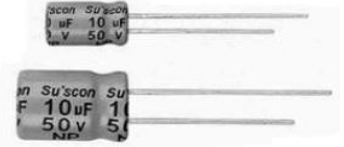


SN series

- Non-polarity standard type, 85°C 2000 hours
- Suitable for DC two-way return circuit
- RoHS Compliant



SPECIFICATIONS

Items	Characteristics									
Capacitance Tolerance	±20% (120Hz, 20°C)									
Operating Temperature Range	-40°C ~ +85°C									
Rated Voltage Range	6.3 ~ 100VDC									
Leakage Current	$I \leq 0.03CV$ or $3(\mu A)$, which is greater. (After 5 minutes application of DC rated voltage at 20°C)									
Dissipation Factor (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C									
	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	
	tan δ (Max)	0.26	0.24	0.22	0.20	0.16	0.14	0.12	0.10	
	When nominal capacitance over 1000 μF , tan δ shall be added 0.02 to the listed value with increase of every 1000 μF .									
Low Temperature Stability	Measurement Frequency: 120Hz									
Impedance Ratio(Max)	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	
	Z(-25°C) / Z(20°C)	4	3	2	2	2	2	2	2	
	Z(-40°C) / Z(20°C)	10	8	6	5	4	4	3	3	
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2000 hours with the polarity inverted every 250 hours at 85°C.									
	Capacitance Change	within ±20% of Initial Value								
	tan δ	200% or less of Initial Specified Value								
	Leakage Current	Initial Specified Value or less								
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 85°C without voltage applied. Before the measurement, the capacitance shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.									
	Capacitance Change	Within ±20% of Initial Value								
	tan δ	200% or less of Initial Specified Value								
Standards	JIS C 5101-4-1 (IEC 60384)									

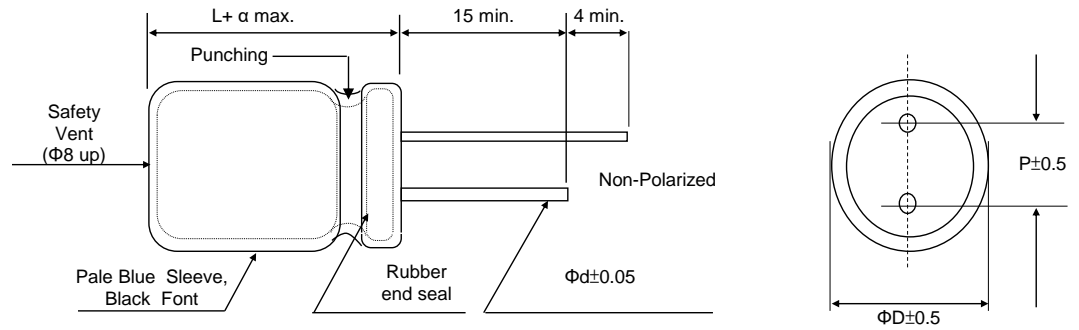
Frequency Coefficient of Permissible Ripple Current

Capacitance(μF)	Frequency (Hz)			
	50	120	1K	$\geq 10K$
< 100	0.80	1.00	1.30	1.50
≥ 100	0.80	1.00	1.15	1.20

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

DIMENSIONS(mm)

ΦD	5	8
L	11	12
α	1.0	1.0
P	2.0	3.5
Φd	0.5	0.5



Electric Characteristics

Su'scon P/N	Cap. (μF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Surge Volt. (V-DC)	Oper. Temp. ($^{\circ}C$)	Nominal Case Size D*L(mm)	Leakage Current Max (μA)	D.F. MAX (%)	R.C 120 Hz (mA rms)	Load Life (hours)
SN016M101F12PE50S00R	100	± 20	16	20	85	8*12	48	22	160	2000
SN025M100D11PE50S00R	10	± 20	25	32	85	5*11	7.5	20	45	2000

REMARKS:

1. Dissipation Factor Test: at 20 $^{\circ}C$, 120 Hz
2. Capacitance Test: at 20 $^{\circ}C$, 120 Hz
3. Ripple Current Test: at 85 $^{\circ}C$, 120 Hz
4. Leakage Current: Initial specified value or less
5. When have characteristic requested: Load life & shelf life test and etc., judgment standard reference to our catalogue.

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SN-REV.1