

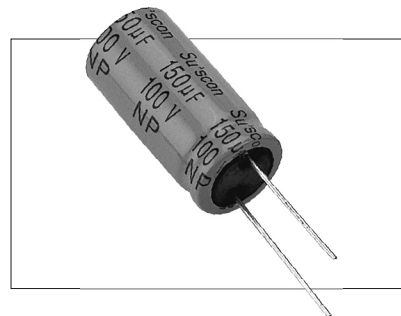
SN series

Normal Non-polarity Product.

Suitable for DC two-way return circuit.

普通無極性產品。

適用於直流雙向迴路。



SN

SPECIFICATIONS

Items 項目	Characteristics 特性									
Capacitance Tolerance 靜電容量誤差	±20% (120Hz, 20 C)									
Operating Temperature Range 適用溫度範圍	-40 ~ +85 C									
Rated Voltage Range 工作電壓範圍	6.3 ~ 100V									
Leakage Current 洩漏電流	$I \leq 0.03CV$ or $3(\text{ A})$ (After 5 minutes application of DC working voltage, at 20 C)									
Dissipation Factor 散逸因素 (tan)	Measurement Frequency: 120 Hz. Temperature: 20 C									
	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	
	tan (Max)	0.24	0.20	0.16	0.16	0.14	0.12	0.12	0.10	
	When nominal capacitance exceeds 1000 F, add 0.02 to the value above for each 1000 F increase. (20 C、120Hz)									
Low Temperature Stability 低溫特性 Impedance Ratio (Max) 阻抗比率 (最大值)	Measurement Frequency: 120Hz.									
	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 負荷壽命	2,000hours, with the polarity inverted every 250 hours at 85 C									
	Capacitance Change	Within ±20% of Initial Value								
	tan	200% or less of Initial Specified Value								
	Leakage Current	Initial Specified Value or less								
Shelf Life 放置壽命	1,000hours, no voltage applied, at 85 C。 After Test: U_k to be applied for 30 minutes, 24 to 48hours before measurement.									
	Capacitance Change	Within ±20% of Initial Value								
	tan	200% or less of Initial Specified Value								
	Leakage Current	Initial Specified Value or less								
Standards 參照標準	JIS C 5141 and JIS C 5102									

PERMISSIBLE RIPPLE CURRENT

Temperature Coefficient

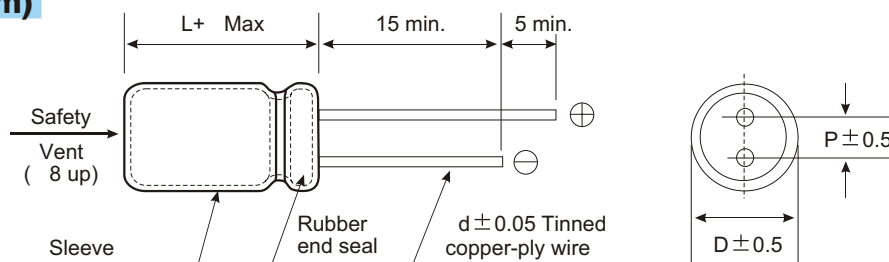
TEMP (C)	75	85
Coefficient	1.35	1.00

Frequency Coefficient

Capacitance (F)	Frequency (Hz)			
	50	120	1K	≥ 10K
< 100	0.80	1.00	1.30	1.50
≥ 100	0.80	1.00	1.15	1.20

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DIMENSIONS (mm)



D	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.5	0.5	0.6	0.6	0.8	0.8

α	(L < 16) 1.0
	(L ≥ 16) 2.0

STANDARD RATINGS

DxL (mm); R.C.: (mA rms) at 85 C, 120Hz.

Cap (F)	WV (V)	6.3		10		16		25	
		Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L
10						5 x 11	42	5 x 11	45
22				5 x 11	57	5 x 11	59	6.3 x 11	66
33		5 x 11	63	5 x 11	67	6.3 x 11	80	6.3 x 11	88
47		5 x 11	76	6.3 x 11	83	6.3 x 11	95	8 x 12	100
100		6.3 x 11	125	6.3 x 11	128	8 x 12	160	8 x 14	160
220		8 x 12	210	8 x 14	215	10 x 16	300	10 x 16	385
330		8 x 14	270	10 x 16	350	10 x 16	375	13 x 21	460
470		10 x 16	370	10 x 20	410	10 x 20	480	13 x 21	540
1000		10 x 20	650	13 x 21	720	13 x 25	855	16 x 26	950
2200		13 x 25	1160	16 x 26	1280	16 x 32	1510	18 x 35	1620
3300		16 x 26	1570	16 x 32	1690	18 x 35	1980		
4700		16 x 32	2020	18 x 35	2160				
6800		18 x 35	2600						

Cap (F)	WV (V)	35		50		63		100	
		Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L
0.1~0.47				5 x 11	11	5 x 11	11	5 x 11	14
1				5 x 11	17	5 x 11	17	5 x 11	21
2.2				5 x 11	25	5 x 11	25	6.3 x 11	33
3.3				5 x 11	28	5 x 11	37	6.3 x 11	39
4.7		5 x 11	34	5 x 11	34	6.3 x 11	47	8 x 12	57
10		5 x 11	45	6.3 x 11	52	8 x 12	68	8 x 14	80
22		6.3 x 11	74	8 x 14	90	8 x 14	95	10 x 16	135
33		8 x 12	105	8 x 14	105	10 x 16	135	13 x 21	220
47		8 x 14	125	10 x 16	150	10 x 20	180	13 x 21	240
100		10 x 16	230	10 x 20	265	13 x 21	320	16 x 26	430
220		13 x 21	420	13 x 25	480	16 x 26	570	18 x 35	720
330		13 x 21	510	16 x 26	650	16 x 32	660		
470		13 x 25	660	16 x 32	840	18 x 35	965		
1000		16 x 32	1140						

※ 13mm may be replaced by 12.5mm upon customer's request.