

SN series

- Normal Non-polarity Product.
- Suitable for DC two-way return circuit.
- RoHS Compliance.
- 普通無極性產品。
- 適用於直流雙向迴路。



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 ≤ 0.03CV or 3(μA) (After 5 minutes application of DC working voltage, at 20°C)								
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency: 120 Hz. 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 exceeds 1000μF, add 0.02 to the value above for each 1000μF 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 δ	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: UR to be applied for 30 minutes, 24 to 48hours before measurement.								
	Capacitance Change	Within ±20% of Initial Value							
	tan δ	200% or less of Initial Specified Value							
	Leakage Current	Initial Specified Value or less							
Standards 參照標準	JIS C 5101-4-1 and JIS C 5101-2								

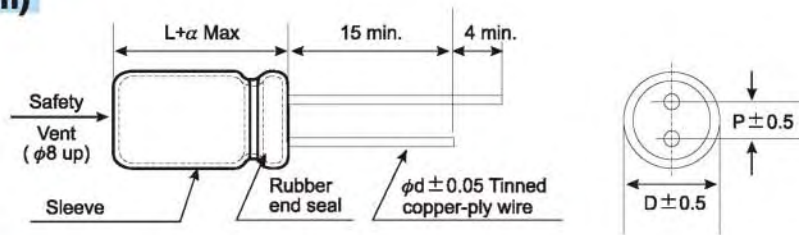
PERMISSIBLE RIPPLE CURRENT

Frequency Coefficient

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

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DIMENSIONS (mm)



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

α	(L < 16) 1.0 (L ≥ 16) 2.0
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STANDARD RATINGS

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

Cap (μF)	WV(V) (Code)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)	
		D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
10						5x11	42	5x11	45
22				5x11	57	5x11	59	6.3x11	66
33		5x11	63	5x11	67	6.3x11	80	6.3x11	88
47		5x11	76	6.3x11	83	6.3x11	95	8x12	100
100		6.3x11	125	6.3x11	128	8x12	160	8x14	160
220		8x12	210	8x14	215	10x16	300	10x16	385
330		8x14	270	10x16	350	10x16	375	13x21	460
470		10x16	370	10x20	410	10x20	480	13x21	540
1000		10x20	650	13x21	720	13x25	855	16x26	950
2200		13x25	1160	16x26	1280	16x32	1510	18x35	1620
3300		16x26	1570	16x32	1690	18x35	1980		
4700		16x32	2020	18x35	2160				
6800		18x35	2600						

Cap (μF)	WV(V) (Code)	35 (1V)		50 (1H)		63 (1J)		100 (2A)	
		D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
0.1~0.47				5x11	11	5x11	11	5x11	14
1				5x11	17	5x11	17	5x11	21
2.2				5x11	25	5x11	25	6.3x11	33
3.3				5x11	28	5x11	37	6.3x11	39
4.7		5x11	34	5x11	34	6.3x11	47	8x12	57
10		5x11	45	6.3x11	52	8x12	68	8x14	80
22		6.3x11	74	8x12	88	8x14	95	10x16	135
33		8x12	105	8x14	105	10x16	135	13x21	220
47		8x14	125	10x16	150	10x20	180	13x21	240
100		10x16	230	10x20	265	13x21	320	16x26	430
220		13x21	420	13x25	480	16x26	570	18x35	720
330		13x21	510	16x26	650	16x32	660		
470		13x25	660	16x32	840	18x35	965		
1000		16x32	1140						

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