

SN series

sales016@heyuecap.com

- Non-polarity standard product, 85 °C 2000 hours.
- Suitable for DC two-way return circuit.
- RoHS Compliance
- 無極性 85°C 2000小時標準品。
- 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℃)								
Operating Temperature Range 適用溫度範圍	-40 ~ +85℃								
Rated Voltage Range 額定電壓範圍	6.3 ~ 100VDC								
Leakage Current 洩漏電流	I≤0.03CV or 3 (μA) which is greater.(After 5 minutes application of DC rated voltage, at 20 ℃)								
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20℃								
	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 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.								
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℃)/Z(20℃)	4	3	2	2	2	2	2	2
	Z(-40℃)/Z(20℃)	10	8	6	5	4	4	3	3
Load Life 負荷壽命	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied for 2,000 hours with the polarity inverted every 250 hours at 85℃.								
	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	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours 85℃ without voltage applied. Before the measurement, the capacitor 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						
	Leakage Current		Initial Specified Value or less						
Standards 參照標準	IEC 60384-4 (JIS C5101-4)								

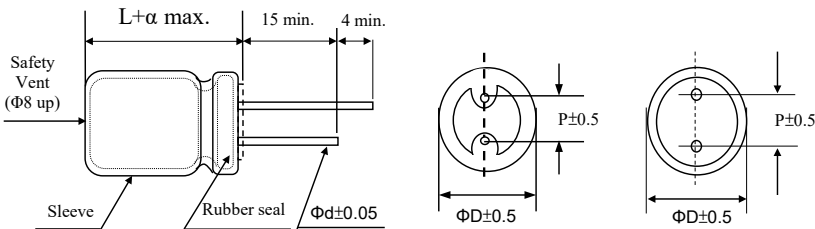
Frequency Coefficient of Permissible Ripple Current

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

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DIMENSIONS(mm)



ΦD	4	5	6.3	8	10	12.5	16	18
P	1.5	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.45	0.5	0.5	0.5	0.6	0.6	0.8	0.8

α	(L < 20) 1.5
	(L ≥ 20) 2.0

STANDARD RATINGS

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

Cap (μF)	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	R.C.
4.7						4x7	19	5x7	22
10						5x7	30	5x11	45
				4x7	24	5x11	42	6.3x7	35
22				5x7	41	5x11	59	6.3x7	53
				5x11	57	6.3x7	51	6.3x11	66
33		5x7	43	5x11	67	6.3x7	64	6.3x11	88
		5x11	63	6.3x7	56	6.3x11	80	8x7	74
47		6.3x7	58	6.3x7	67	6.3x7	75	8x7	87
		5x11	76	6.3x11	83	6.3x11	95	8x11.5	100
100		6.3x11	125	6.3x11	128	8x7	125	8x14	160
		8x7	96	8x7	110	8x11.5	160		
220		8x7	140	8x14	215	10x16	300	10x16	385
		8x11.5	210						
330		8x14	270	10x16	350	10x16	375	12.5x20	460
470		10x16	370	10x20	410	10x20	480	12.5x20	540
1000		10x20	650	12.5x20	720	12.5x25	855	16x26	950
2200		12.5x25	1160	16x26	1280	16x31.5	1510	18x35.5	1620
3300		16x26	1570	16x31.5	1690	18x35.5	1980		
4700		16x31.5	2020	18x35.5	2160				
6800		18x35.5	2600						

Cap (μF)	V	35		50		63		100	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
0.47				4x7	8.9				
				5x11	11	5x11	11	5x11	14
1.0				4x7	12	5x11	17	5x11	21
				5x11	17				
2.2				4x7	19	5x11	25	6.3x11	33
				5x11	25				
3.3				5x7	25	5x11	37	6.3x11	39
		4x7	20	5x11	28				
4.7		5x7	30	5x11	34	6.3x11	47	8x11.5	57
		5x11	34	6.3x7	38				
10		5x11	45	6.3x11	52	8x11.5	68	8x14	80
		6.3x7	48	8x7	54				
22		6.3x11	74	8x7	66	8x14	95	10x16	135
		8x7	62	8x11.5	88				
33		8x7	76	8x14	105	10x16	135	12.5x20	220
		8x11.5	105						
47		8x14	125	10x16	150	10x20	180	12.5x20	240
100		10x16	230	10x20	265	12.5x20	320	16x26	430
220		12.5x20	420	12.5x25	480	16x26	570	18x35.5	720
330		12.5x20	510	16x26	650	16x31.5	660		
470		12.5x25	660	16x31.5	840	18x35.5	965		
1000		16x31.5	1140						