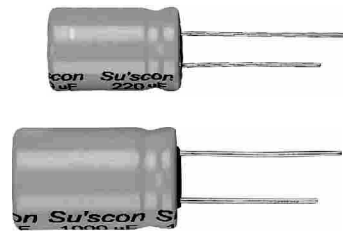


YN series

- Suited for audio signal circuits.
- 適用於音頻訊號線路。



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 ~ 50V						
Leakage Current 洩漏電流	$I \leq 0.03CV$ or $3\mu A$, Which is greater (After 1 minute application of working voltage)						
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C						
	Rated Voltage (V)	6.3	10	16	25	35	50
	tan δ (Max)	0.24	0.20	0.16	0.16	0.14	0.12
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
	Z (-25°C) / Z (20°C)	4	3	2	2	2	2
	Z (-40°C) / Z (20°C)	8	6	4	4	4	4
Load Life 負荷壽命	1,000hours, with application of working voltage at 85°C						
	Capacitance Change	Within ± 20% of Initial Value					
	tan δ	150% 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_R to be applied for 30 minutes, 24 to 48hours before measurement.						
	Capacitance Change	Within ± 20% of Initial Value					
	tan δ	150% 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

Temperature Coefficient

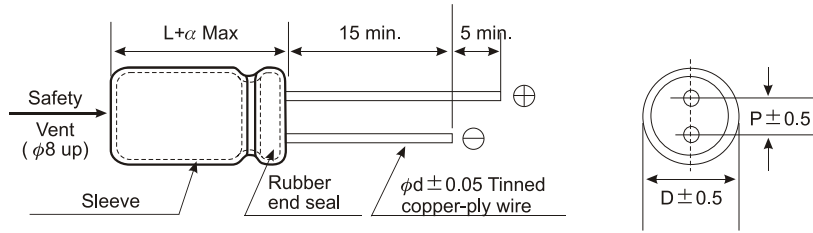
TEMP (°C)	75	85
Coefficient	1.35	1.00

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

YN series

DIMENSIONS (mm)



ϕD	5	6.3	8	10	13	16
P	2.0	2.5	3.5	5.0	5.0	7.5
ϕd	0.5	0.5	0.5	0.6	0.6	0.8

α	(L < 16) 1.0 (L ≥ 16) 2.0
----------	------------------------------

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)		35 (1V)		50 (1H)	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
0.47												5x11	11
1												5x11	17
2.2												5x11	25
3.3												5x11	28
4.7								5x11	32	5x11	34	6.3x11	34
10						5x11	42	5x11	45	6.3x11	45	8x12	52
22				5x11	57	6.3x11	59	6.3x11	66	8x12	74	10x13	90
33		5x11	63	6.3x11	67	6.3x11	80	8x12	80	10x13	105	10x16	105
47		6.3x11	76	6.3x11	83	8x12	95	10x13	100	10x13	125	10x20	150
100		8x12	125	10x13	128	10x13	160	10x16	160	10x20	230	13x25	265
220		10x13	210	10x16	215	10x20	300	13x25	385	13x25	420	16x26	480
330		10x16	270	10x20	350	13x21	375	13x25	460	16x26	510	16x32	650
470		10x20	370	13x21	410	13x25	480	16x26	540	16x26	660		
1000		13x25	650	16x26	720	16x26	855	16x32	950				

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

