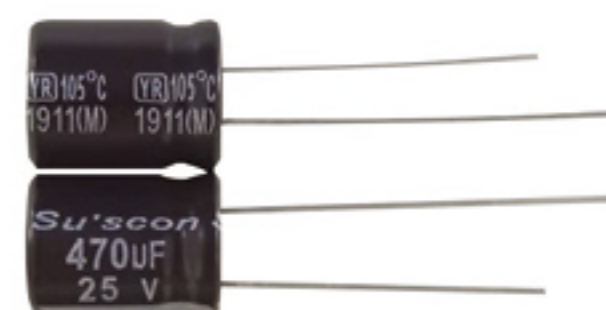


# YR series

- Ideally suited for first class audio equipment where qualitative and quantitative comfortableness is required.
- RoHS Compliance
- 適用於高級音響器材 當要求舒適的音頻質量。
- 環境對策品。



## 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 ~ +105°C										
Rated Voltage Range 額定電壓範圍	6.3 ~ 160VDC										
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 3 (uA) (After 2 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	63	80	100	200
	tan δ(Max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.09	0.08	0.15
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	80	100	
	Z(-25°C)/Z(20°C)	5	4	3	2	2	2	2	2	2	
	Z(-40°C)/Z(20°C)	10	8	6	4	3	3	3	3	3	
Load Life 負荷壽命	2000hours, with application of working voltage at 105°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	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000hours 105°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									
	Leakage Current	Initial Specified Value or less									
Standards 參照標準	JIS C 5101-4-1 (IEC 60384)										

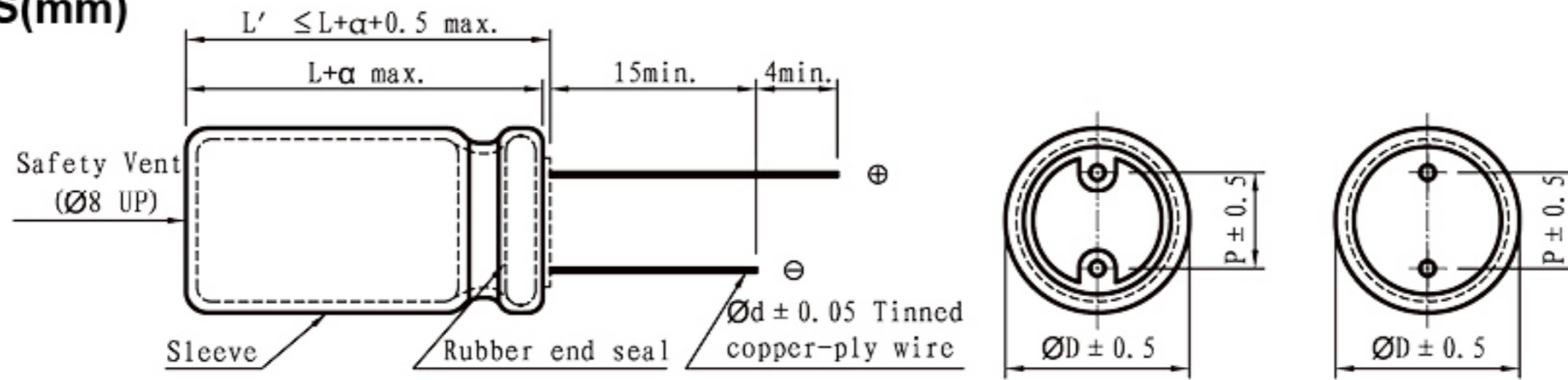
## Frequency Coefficient of Permissible Ripple Current

Capacitance (μF)	Frequency (Hz)				
	50	120	300	1K	10K
1 ~ 47	0.75	1.00	1.35	1.57	2.00
100 ~ 470	0.80	1.00	1.23	1.34	1.50
1000 ~ 10000	0.85	1.00	1.10	1.13	1.15

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use , the rms ripple current has to be reduced.

# YR series

**DIMENSIONS(mm)**



$\phi D$	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
$\phi d$	0.5	0.5	0.5	0.6	0.6	0.8	0.8

$\alpha$	(L < 16) 1.0 (L ≥ 16) 2.0
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**STANDARD RATINGS**

DxL(mm), R.C.(mA rms) at 105°C 120 Hz.

Cap (µF)	V	6.3		10		16		25		35		50	
		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.	
1												5x11	9
2.2												5x11	18
3.3												5x11	22
4.7												5x11	27
10												5x11	39
22								5x11	50	6.3x11	60	6.3x11	65
33						5x11	57	6.3x11	70	6.3x11	75	8x12	93
47				5x11	60	6.3x11	74	6.3x11	85	8x12	101	8x12	111
100				6.3x11	99	8x12	128	8x12	140	10x13	176	10x16	215
220				8x12	170	10x13	226	10x16	260	10x20	320	12.5x20	390
330				10x13	247	10x16	309	10x20	351	12.5x20	446	12.5x20	488
470	10x13	270	10x16	330	10x20	406	12.5x20	476	12.5x25	590	16x25	650	
1000	10x20	485	12.5x20	601	12.5x25	723	16x25	854	16x25	1060	16x32	1,143	
2200	12.5x25	867	16x25	1047	16x25	1290	16x35	1570	18x35	1840			
3300	16x25	1135	16x32	1520	16x35	1720	18x40	1794					
4700	16x32	1431	16x35	1840	18x35	2140							
6800	18x35	1810	18x40	2049									
10000	18x40	2100											

Cap (µF)	V	63		80		100	
		Item	D x L	R.C.	D x L	R.C.	D x L
1						5x11	15
2.2						5x11	22
3.3						5x11	27
4.7						5x11	36
10		6.3x11	50	6.3x11	55	8x12	65
22		8x12	85	8x12	100	10x13	110
33		8x12	105	10x13	130	10x16	150
47		10x13	140	10x16	170	10x20	190
100		10x20	255	12.5x20	270	12.5x20	300
220		12.5x20	420	12.5x25	490	16x25	549
330		12.5x25	541	16x32	650	16x32	734
470		16x25	840	16x35	920	18x35	980
1000		18x35	1400				

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

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