



# Aluminum Electrolytic Capacitor

## NPA Series

### NON POLARITY 無極性

- Suitable for using in polarity reversal circuits, such as signal coupling circuits, speakers, and etc.
- 適用於極性反轉回路及須急遽印加逆向電壓之回路，例如：信號交連或喇叭等回路。

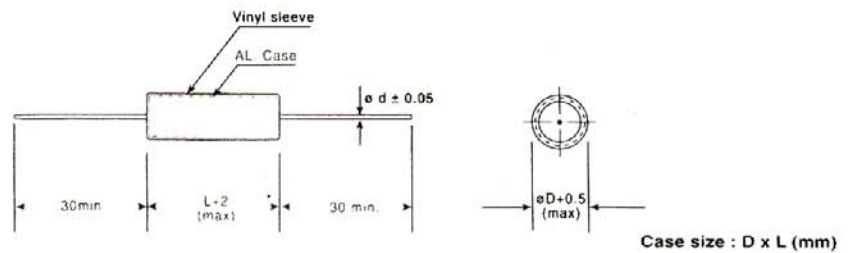


### SPECIFICATION 電氣特性

ITEM	CHARACTERISTICS									
使用溫度範圍 Operation Temperature Range	- 40 - + 85°C									
額定電壓 Rated Working Voltage	6.3 - 100 VDC									
靜電容量容許差 (120Hz 25°C) Capacitance Tolerance	± 20% (M) + 30% (Q) - 10%									
漏洩電流 (25°C) Leakage Current	$I \leq 0.04 CV + 4 (\mu A)$ After 5 minutes					I : Leakage Current ( $\mu A$ ) C: Rated Capacitance ( $\mu F$ ) V: Working Voltage (V)				
湧浪電壓 (25°C) Surge Voltage	W V	6.3	10	16	25	35	50	63	100	
	S V	8	13	20	32	44	63	79	125	
散逸因素 (120Hz 25°C) Dissipation Factor ( $\tan \delta$ )	Add 0.02 per 1000 $\mu F$ for more than 1000 $\mu F$									
	W V	6.3	10	16	25	35	50	63	100	
	$\tan \delta$	0.24	0.20	0.17	0.15	0.12	0.10	0.10	0.10	
低溫特性 Low Temperature Stability	Impedance ratio at 120Hz									
	Rated Voltage (V)									
	- 25°C + 25°C	6.3	10	16	25	35	50	63	100	
- 40°C + 25°C	4	3	2	2	2	2	2	2	2	
高溫負荷特性 Load Life	After 1000hours application of W V at + 85°C the capacitor shall meet the following limits. The polarity needs to exchange every 250 hours.									
	Capacitance Change					$\leq \pm 20\%$ of initial value				
	Dissipation Factor					$\leq 150\%$ of initial specified value				
	Leakage Current					$\leq$ initial specified value				

### CASE SIZE OF AXIAL TYPE

D	6.3	8	10	13
d	0.6			



$\mu F$	WV	6.3	10	16	25	35	50	63	100
	ITEM	8	13	20	32	44	63	79	125
0.47							6.3x16		6.3x16
1	註：空格部份膠管所標示的電壓 → 右方一格表示								
2.2	All blank voltage on sleeve making								
3.3	is the same voltage as " → " Point to.								
4.7					6.3x16	6.3x16	6.3x16	6.3x16	8x16
10				6.3x16	6.3x16	6.3x16	8x16	8x16	10x26
22			6.3x16	6.3x16	8x16	8x16	10x21	10x21	13x27
33	6.3x16	6.3x16	8x16	8x16	10x21	10x21	10x26	10x26	13x32
47	6.3x16	6.3x16	8x16	8x16	10x21	10x26	13x27	13x27	
100	8x16	8x16	10x21	10x26	13x27				
220	10x21	10x21	10x26	13x27					
330	10x21	10x26	13x27						
470	10x26	13x27	13x32						
1000	13x32								