



Aluminum Electrolytic Capacitor

NPR 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。

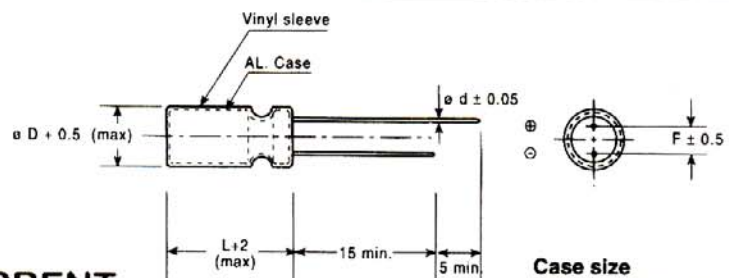


SPECIFICATION 電氣特性

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% (Q)									
漏洩電流 (25°C) Leakage Current	$I \leq 0.04 CV + 4 (\mu A)$ After 5 minutes I : Leakage Current (μA) C: Rated Capacitance (μF) 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 δ)	Add 0.02 per 1000 μF for more than 1000μF									
	W V	6.3	10	16	25	35	50	63	100	
	tan δ	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)		6.3	10	16	25	35-100			
	- 25°C + 25°C		4	3	2	2	2			
	- 40°C + 25°C		10	8	6	4	3			
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		≤ ± 20% of initial value							
	Dissipation Factor		≤ 150% of initial specified value							
	Leakage Current		≤ initial specified value							

CASE SIZE OF RADIAL TYPE

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



CASE SIZE & MAX RIPPLE CURRENT

μF	WV	6.3		10		16	
	ITEM	DxL	R.C.	DxL	R.C.	DxL	R.C.
10						5x11	47
22				5x11	65	6.3x11	80
33		5x11	70	6.3x11	90	8x11	110
47		6.3x11	100	6.3x11	110	8x11	130
100		8x11	160	8x11	180	10x16	230
220		10x13	260	10x16	310	10x21	380
330		10x16	350	10x21	430	13x21	480
470		10x21	470	13x21	530	13x26	630
1000		13x26	770	16x32	960	16x32	1040
2200		16x32	1250	16x35	1410		

Case size : DxL (mm)
Max ripple current : mA (rms)
(R.C.) : 85°C 120Hz