

ALUMINUM ELECTROLYTIC CAPACITORS

NPA

臥式 85°C 無極性
Non-Polar, 85°C Axial Type

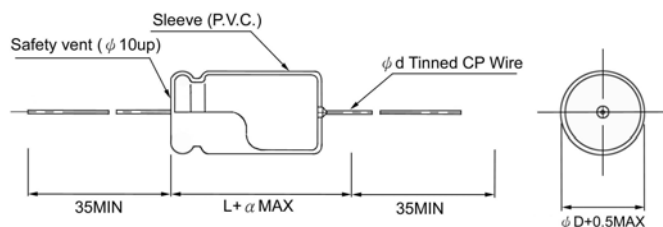
- 無極性產品, 適用於極性反饋或急遽逆向電壓
- 產品壽命保證 2,000 小時 / 85°C
- Non-polar, suitable for polarity reversed or not constant circuit.
- Life guaranteed 2,000 hrs./85°C.



• Specifications

Item	Performance Characteristics								
Operating Temperature range 使用溫度範圍	-40 + 85°C								
Rated Voltage 額定電壓	6.3V ~ 100V								
Capacitance Range 容量範圍	0.47 ~ 2,200μF								
Capacitance Tolerance 靜電容量容許差	±20% (120Hz, 20°C)								
Leakage Current 洩漏電流	I ≤ 0.03CV or 3 μA, whichever is greater after 5 minutes application of rated voltage.								
Dissipation Factor 散逸係數 (120Hz, 20°C)	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
For capacitance of more than 1,000μF, add 0.02 for every increase of 1,000μF									
Temperature Characteristics 溫度特性 (120Hz)	Impedance Ratio / Stability at Low Temperature								
	Rated voltage (V)	6.3	10	16	25	35	50	63	100
	Z (-25°C) / Z (20°C)	4	3	2	2	2	2	2	2
Load Life 高溫負荷特性	After 2,000 hours application of WV at 85°C with the polarity inverted every 250 hours, capacitor shall meet the characteristics requirements mentioned below.								
	Capacitance change	Within ±20% of initial value							
Shelf Life 擺置壽命	Tan δ	200% or less of initial specified value							
	Leakage current	Initial specified value or less							
After leaving capacitors under no load at 85°C for 1,000 hours and applying voltage according to JIS C5102 and C5141, they shall meet the specified value as load life characteristics listed above.									

• Dimension



Dφ	6	8	10	13	16	18
φd	0.6		0.6		0.8	
α	1.0		1.5		2.0	

• Size & ripple current

Unit: DxL(mm)

WV(SV) Cap(μF)	6.3 (10)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)		63 (75)		100 (125)	
0.1~0.47											6.3 x 13	15	6.3 x 16	15	6.3 x 16	18
1											6.3 x 13	22	6.3 x 16	22	6.3 x 16	26
2.2											6.3 x 13	32	6.3 x 16	32	6.3 x 16	38
3.3											6.3 x 13	38	6.3 x 16	38	6.3 x 16	46
4.7											6.3 x 13	45	6.3 x 16	40	6.3 x 16	55
10									6.3 x 13	55	8 x 16	75	8 x 16	50	10 x 21	100
22					6.3 x 13	75	8 x 16	90	8 x 16	100	10 x 21	130	10 x 21	85	10 x 26	180
33			6.3 x 13	83	8 x 16	100	8 x 16	115	8 x 16	125	10 x 21	140	10 x 21	120	13 x 26	230
47	6.3 x 13	90	6.3 x 13	110	8 x 16	120	8 x 16	140	8 x 20	160	10 x 21	180	10 x 26	150	13 x 26	290
100	8 x 16	140	8 x 20	175	8 x 20	200	10 x 21	230	10 x 26	280	13 x 26	360	13 x 26	210	16 x 38	520
220	8 x 20	200	10 x 21	290	10 x 26	360	13 x 26	430	13 x 26	510	13 x 31	590	16 x 38	410		
330	10 x 21	320	10 x 26	405	13 x 26	480	13 x 26	520	13 x 31	600	16 x 31	720				
470	10 x 26	385	13 x 26	510	13 x 26	540	13 x 31	660	16 x 31	770						
1000	13 x 26	690	13 x 31	760	16 x 31	980										
2200	16 x 31	1240	16 x 38	1400												Case Size ripple

Ripple (mA) at 85°C 120Hz