

ALUMINUM ELECTROLYTIC CAPACITORS

NPR 立式 85°C 無極性品 Non-Polar Radial Leads, 85°C Standard Series

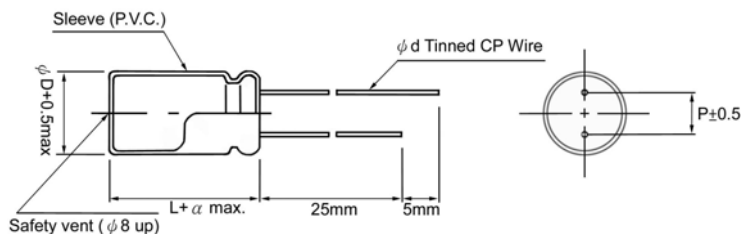
- 無極性產品,適用於極性反饋或系統逆序電壓印加之迴路。
- 產品壽命保證2,000 小時/85°C
- Exhibits reliable performance in circuit where polarity reversed or not constant
- Life guaranteed 2,000 hrs./85°C.



• 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 ~ 4,700 μF									
Capacitance Tolerance 靜電容量公差	±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	
Temperature Characteristics 溫度特性 (120Hz)	For capacitance of more than 1,000μF, add 0.02 for every increase of 1,000μF									
	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	2
Load Life 高溫度負荷特性	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								
	Tan δ	200% or less of initial specified value								
Shelf Life 擺置壽命	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.									
	Leakage current	Initial specified value or less								

• Dimension



Dφ	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5		0.6			0.8	
α	1.0			1.5			

• 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)
0.47						5 x 11	11	5 x 11
1						5 x 11	17	5 x 11
2.2						5 x 11	25	5 x 11
3.3						5 x 11	27	5 x 11
4.7					5 x 11	34	5 x 11	34
10			5 x 11	42	5 x 11	42	5 x 11	43
22			5 x 11	57	5 x 11	57	6.3 x 11	65
33	5 x 11	64	5 x 11	64	5 x 11	70	6.3 x 11	80
47	5 x 11	76	5 x 11	76	6.3 x 11	95	6.3 x 11	95
100	6.3 x 11	125	6.3 x 11	125	8 x 11	160	8 x 11	160
220	8 x 11	215	8 x 11	215	10 x 12	275	10 x 16	305
330	8 x 11	265	10 x 16	345	10 x 16	375	13 x 20	450
470	10 x 12	370	10 x 16	410	10 x 20	485	13 x 20	540
1000	10 x 20	650	13 x 20	720	13 x 25	855	16 x 25	950
2200	13 x 25	1160	16 x 25	1280	16 x 32	1510	18 x 36	1620
3300	16 x 25	1570	16 x 32	1690	18 x 36	1980		
4700	16 x 32	2020	18 x 36	2160				

Case Size ripple

Ripple (mA) at 85°C 120Hz