

ALUMINUM ELECTROLYTIC CAPACITORS

NCS

Chip 型 85°C 無極性品
Chip 85°C Non-Polar Series

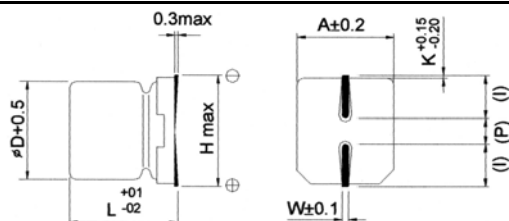
- 表面黏膏型 無極性 - 般品
- 壽命保證 2,000 小時 / 85°C, 帶式安裝
- For high density mounting, tape reel.
- Life guaranteed 2,000hrs./85°C.



Specifications

Item	Performance Characteristics						
Operating Temperature range 使用溫度範圍	-40 + 85°C						
Rated Voltage 額定電壓	6.3V ~ 50V						
Capacitance Range 容量範圍	0.1 ~ 47 μF						
Capacitance Tolerance 靜電容量容許差	±20% (120Hz, 20°C)						
Leakage Current 洩漏電流	I ≤ 0.05CV or 10μA, whichever is greater after 2 minutes application of rated voltage.						
Dissipation Factor 散逸係數 (120Hz, 20°C)	Rated voltage (V)	6.3	10	16	25	35	50
	Tan δ (max.)	0.52	0.40	0.32	0.28	0.24	0.24
Temperature Characteristics 溫度特性 (120Hz)	Impedance Ratio / Stability at Low Temperature						
	Rated voltage (V)	6.3	10	16	25	35	50
	Z (-25°C) / Z (20°C)	4	3	2	2	2	2
	Z (-40°C) / Z (20°C)	8	6	4	4	3	3
Load Life 高溫負荷特性	After 2,000 hours application of WV at 85°C, reversing polarity at each 250 hours, capacitor shall meet the characteristics requirements mentioned below.						
	Capacitance change	Within ±25% of initial value					
	Tan δ	200% or less of initial specified value					
	Leakage current	Initial specified value or less					
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.						

Dimension



Dφ	L	A	H	I	W	P	K
4.0	5.4	4.3	5.5	1.8	0.65	1.0	0.35
5.0	5.4	5.3	6.5	2.2	0.65	1.5	0.35
6.3	5.4	6.6	7.8	2.6	0.65	1.8	0.35

Frequency coefficient of allowable ripple current

Cap(μF) \ Frequency	50 Hz	120 Hz	500 Hz	1KHz	≤ 10 KHz
0.1~ 1	0.50	1	1.20	1.30	1.50
2.2~ 4.7	0.65	1	1.20	1.30	1.50
10 ~ 47	0.80	1	1.20	1.30	1.50

Allowable ripple & Ambient temperature

Ambient Temp. (°C)	85	70	50 ≥
Compensating Coefficient	1.0	1.6	2.0

Size & ripple current

Unit: DxL(mm)

WV(SV) \ Cap(μF)	6.3		10		16		25		35		50	
0.1											4 x 5.4	1
0.22											4 x 5.4	2
0.33											4 x 5.4	3
0.47											4 x 5.4	4
1											4 x 5.4	9
2.2									4 x 5.4	9	5 x 5.4	13
3.3							4 x 5.4	12			5 x 5.4	17
4.7					4 x 5.4	12	5 x 5.4	16	5 x 5.4	18	6.3 x 5.4	20
10			4 x 5.4	17	5 x 5.4	23	6.3 x 5.4	27	6.3 x 5.4	29		
22	5 x 5.4	28			6.3 x 5.4	37						
33			6.3 x 5.4	46	6.3 x 5.4	49						
47	6.3 x 5.4	45									Case Size	ripple

Ripple (mA) at 85°C 120Hz