

### ALUMINUM ELECTROLYTIC CAPACITORS

# LCH

Chip 型 105°C 低阻產品  
Chip 105°C Low Impedance Series

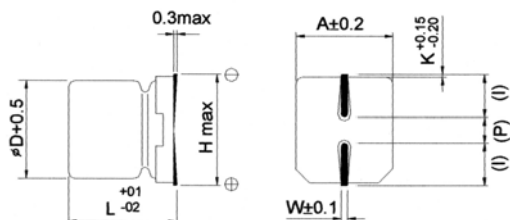
- 表面黏貼型低阻產品, 適高頻迴路應用及高密度安裝
- 壽命保證 2,000 小時/105°C, 帶式安裝
- Low impedance for high frequency circuit application.
- Life guaranteed 2,000hrs./105°C, tape reel.



#### • Specifications

Item	Performance Characteristics					
Operating Temperature range 使用溫度範圍	-55 + 105°C					
Rated Voltage 額定電壓	6.3V ~ 35V					
Capacitance Range 容量範圍	1 ~ 100 μF					
Capacitance Tolerance 靜電容量容許差	±20% (120Hz, 20°C)					
Leakage Current 洩漏電流	I ≤ 0.01CV or 3μA, 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
	Tan δ (max.)	0.22	0.19	0.16	0.14	0.12
Temperature Characteristics 溫度特性 (120Hz)	Impedance Ratio / Stability at Low Temperature					
	Rated voltage (V)	6.3	10	16	25	35
	Z (-25°C) / Z (20°C)	2	2	2	2	2
Load Life 高溫負荷特性	After 2,000 hours application of WV at 85°C, capacitor shall meet the characteristics requirements mentioned below.					
	Capacitance change	Within ±30% of initial value				
Shelf Life 擺置壽命	After leaving capacitors under no load at 105°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.					
	Tan δ	300% or less of initial specified value				
	Leakage current	Initial specified value or less				

#### • 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	120 Hz	1KHz	10KHz	100KHz≤
1	0.30	0.60	0.80	1.00
2.2~ 6.8	0.42	0.60	0.80	1.00
10 ~ 33	0.55	0.75	0.90	1.00
47 ~ 100	0.70	0.85	0.95	1.00

#### • Allowable ripple & Ambient temperature

Ambient Temp. (°C)	105	85	65 ≥
Compensating Coefficient	1.0	1.7	2.1

#### • Size, ripple current & impedance

Unit: DxL(mm)

WV(SV) \ Cap(μF)	6.3			10			16			25			35		
1													4 x 5.4	53	5.5
2.2													4 x 5.4	53	5.5
3.3													4 x 5.4	53	5.5
4.7										4 x 5.4	53	5.5	4 x 5.4	53	5.5
6.8										4 x 5.4	53	5.5	5 x 5.4	85	2.8
10							4 x 5.4	53	5.5	5 x 5.4	85	2.8	5 x 5.4	85	2.8
15							5 x 5.4	85	2.8	6 x 5.4	120	1.5	6 x 5.4	120	1.5
22	4 x 5.4	53	5.5	5 x 5.4	85	2.8	5 x 5.4	85	2.8	6 x 5.4	120	1.5	6 x 5.4	120	1.5
33	5 x 5.4	85	2.8	5 x 5.4	85	2.8	6 x 5.4	120	1.5	6 x 5.4	120	1.5			
47	5 x 5.4	85	2.8	6 x 5.4	120	1.5	6 x 5.4	120	1.5						
68	6 x 5.4	120	1.5	6 x 5.4	120	1.5									
100	6 x 5.4	120	1.5												
													Case Size	ripple	Imp.

Impedance: (Ω) max. at 20°C 100KHz    Ripple (mA rms) at 105°C 100KHz