

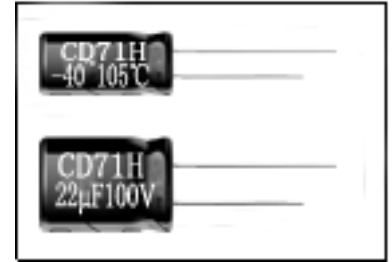


# DONGGUAN CITY AMAZING ELECTRONICS CO., LTD.

## ALUMINUM ELECTROLYTIC CAPACITOR

### FP 105°C Bipolar standard Series

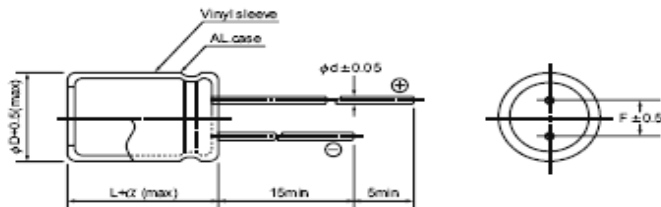
- +105°C Bipolar standard, Load life of.
- Used in circuits what polarity reverse and change circuits.



#### • Specifications

Item	Performance Characteristics									
Operating temperature rang	- 40°C ~ +105°C									
Rated voltage range	6.3V ~ 100V									
Capacitance Range	0.47uF ~ 6800uF									
Capacitance Tolerance	±20% (100 or 120Hz, +20°C)									
Leakage current	≤ 0.03CV +3 (uA) 1 minute Whichever is greater									
Dissipation Factor (+20°C, 120Hz)	Rated voltage (V)	6.3	10	16	25	35	50	63	100	
	Tan δ (max.)	0.28	0.24	0.22	0.20	0.15	0.14	0.10	0.09	
	For capacitance value > 1000uF, add 0.02 per another 1000uF									
Temperature characteristics (120Hz)	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	
	Z (-40°C) / Z (20°C)	10	8	6	5	4	4	3	3	
Load life	After applying rated voltage for 500×2 hours at +85°C and then resumed 16 hours:									
	Capacitance change	Within ± 20% of initial value								
	Tan δ	200% or less of initial specified value								
	Leakage current	Initial specified value or less								
Shelf life	After storage for 1000 hours at +85°C and then resumed 16 hours									

#### • Case size table Unit : (mm)



D	± 0.5		± 1.0				
	5	6.3	8	10	13	16	19
F ± 0.5	2.0	2.5	3.5	5.0		7.5	
d ± 0.1	0.5		0.6			0.8	

#### • Dimensions

Code	WV(SV)	6.3V	10V	16V	25V	35V	50V	63V	100V
		(0J)	(1A)	(1C)	(1E)	(1V)	(1H)	(1J)	(2A)
0.47	R47						5×11		5×11
1.0	010						5×11		5×11
2.2	2R2						5×11		6.3×11
3.3	3R3						5×11	5×11	6.3×11
4.7	4R7					5×11	5×11	6.3×11	6.3×11
10	100			5×11	5×11	5×11	6.3×11	6.3×11	8×12
22	220		5×11	5×11	6.3×11	6.3×11	8×12	8×12	10×16
33	330	5×11	5×11	5×11	6.3×11	8×12	8×12	10×13	13×20
47	470	5×11	5×11	6.3×11	6.3×11	8×12	10×13	10×16	13×20
100	101	6.3×11	6.3×11	8×12	8×12	10×16	10×20	13×20	16×25
220	221	8×12	8×12	10×13	10×16	13×20	13×25	16×25	19×35
330	331	8×12	10×16	10×16	13×20	13×20	16×25	16×30	
470	471	10×13	10×16	10×20	13×20	13×25	16×30	19×35	
1000	102	10×20	13×20	16×25	16×25	16×30			
2200	222	13×25	16×25	16×30	19×35				
3300	332	16×25	16×30	19×35					
4700	472	16×30	19×35						
6800	682	19×35							Case Size

Size: ΦD×L(mm)  
Ripple Current: (mA/105°C, 100/120Hz)