



DONGGUAN CITY AMAZING ELECTRONICS CO., LTD.

ALUMINUM ELECTROLYTIC CAPACITOR

NP 85°C Bipolar standard Series

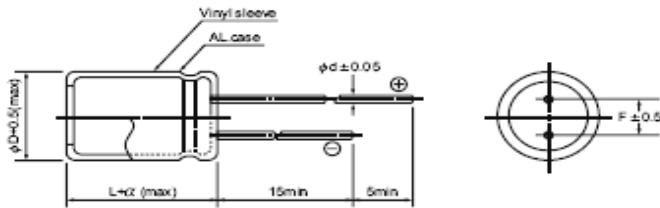
- +85°C Bipolar standard, Load life of
- Used in circuits what polarity reverse and change circuits.



• Specifications

Item	Performance Characteristics									
Operating temperature rang	- 40°C ~ +85°C									
Rated voltage range	6.3V ~ 160V									
Capacitance Range	0.47uF ~ 6800uF									
Capacitance Tolerance	±20% (120Hz, +20°C)									
Leakage current	I ≤ 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	160
	Tan δ (max.)	0.28	0.24	0.22	0.20	0.15	0.14	0.10	0.09	0.15
	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	160
	Z (-25°C) / Z (20°C)	4	3	2	2	2	2	2	2	4
	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	160V
		(0J)	(1A)	(1C)	(1E)	(1V)	(1H)	(1J)	(2A)	(2B)
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	10×16
4.7	4R7					5×11	5×11	6.3×11	6.3×11	10×16
10	100			5×11	5×11	5×11	6.3×11	6.3×11	8×12	13×20
22	220		5×11	5×11	6.3×11	6.3×11	8×12	8×12	10×16	13×25
33	330	5×11	5×11	5×11	6.3×11	8×12	8×12	10×13	13×20	16×25
47	470	5×11	5×11	6.3×11	6.3×11	8×12	10×13	10×16	13×20	16×35
100	101	6.3×11	6.3×11	8×12	8×12	10×16	10×20	13×20	16×25	19×35
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 / 85°C, 100/120Hz)