

Miniature Size Aluminum Electrolytic Capacitors

SN [For Non Polar]

105°C Single-Ended Lead Aluminum Electrolytic Capacitors For Non-Polar General Purpose



DESCRIPTION

Non-polar miniature type for used in reversing polarity DC voltage circuits.

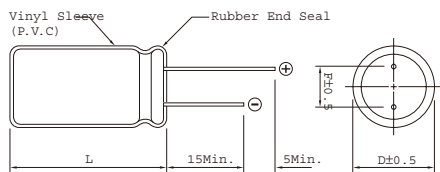
Frequency coefficient

Frequency(Hz)	60	120	300	1K	10K~100K
Factor	0.75	1.00	1.20	1.32	1.65

Temperature coefficient

Temperature(°C)	65	85	105
Factor	1.30	1.20	1.00

DIAGRAM OF DIMENSIONS



ELECTRICAL CHARACTERISTICS

Operating Temperature : -40°C ~ +105°C

Working Voltage : 6.3 ~ 100V

Rate Capacitance Range : 0.47 ~ 2200μF

Capacitance Tolerance : -20 ~ +20%

DC Leakage Current (μA) : I = 0.03 CV + 3μA

(After 5 Minutes Application of DC Working Voltage at 25°C)

Dissipation Factor : at 120Hz, 25°C

WV (V) :	6.3	10	16	25	35	50	63	100
D.F (%) :	26	24	22	20	16	14	12	10

For capacitor whose capacitance exceeds 1000μF. The value of D.F(%) is increased by 2% for every addition of 1000μF.

Load Life : 1000 Hours at 105°C with the Polarity Inverted Every 250 Hours

- (a) Capacitance Change : Within 25% of Initial Value
- (b) Dissipation Factor : Not Exceed 150% of Initial Requirement
- (c) Leakage Current : Not Exceed the Initial Requirement

Shelf Life : 500 Hours, No Voltage Applied, at 105°C

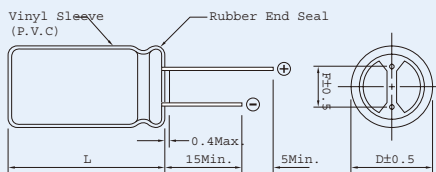
- (a) Capacitance Change : Within 25% of Initial Value
- (b) Dissipation Factor : Not Exceed 200% of Initial Requirement
- (c) Leakage Current : Not Exceed 200% of Initial Requirement



RoHS
COMPLIANT

Dimensions : mm

Rubber Stand-off



L ≤ 16 : L + 1.5max
L > 16 : L + 2max
Dø = 8 & 10 : L + 2.5

Dø < 20 : Dø + 0.5
Dø ≥ 20 : Dø + 1

Dø	F	dø
4.0	1.5	0.45
5.0	2.0	0.5
6.0	2.5	
8.0	3.5	
10.0	5.0	0.6
12.0		
13.0		
16.0	7.5	0.8
18.0		
22.0	10.0	0.8



CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS

CAP. (μF)	RATED VOLTAGE WV																			
	6.3		10		16		25		35		50		63		80		100		160	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.22																				
0.47											5x11	11			5x11	11	5x11	14		
0.68											5x11	13								
1											5x11	17	5x11	18	5x11	17	5x11	21		
1.5											5x11	20								
2.2											5x11	25	5x11	25	5x11	29	6.3x11	34		
3.3											5x11	27	5x11	28			6.3x11	39		
											6.3x11	31	6.3x11	37	6.3x11	39	8x11	49		
4.7							5x11	26	5x11	34	5x11	34	5x11	37	8x11	47	8x11	48	10x15	85
											6.3x11	41	6.3x11	44			6.3x11	47		
10					6.3x11	42	5x11	42	6.3x11	54	6.3x11	51	8x11	74	10x12	88	8x11	71		
											5x11	51	6.3x11	57						
							6.3x11	50	5x11	43	8x11	70					10x12	100		
			5x11	57	5x11	57	6.3x11	65	8x11	94			8x11	95	10x19.5	150	13x20	180		
22					6.3x11	69	8x11	86	6.3x11	73	8x11	89	10x15	130			10x15	135		
											10x12	115								
33	5x11	46	6.3x11	64	8x11	95	8x11	105	10x12	125	8x11	105	10x12	135	13x20	205	13x20	220		
			5x11	64	5x11	71	6.3x11	80	8x11	100	10x15	150	10x19.5	175						
47	6.3x11	76	6.3x11	93	8x11	115	10x12	95	10x15	120	8x11	130	13x20	180	13x20	245	13x25	285		
	5x11	76	5x11	76	6.3x11	95	6.3x11	95	8x11	120	10x12	150	10x15	180						
											10x19.5	190								
68											10x15	198								
100	8x11	125	8x11	125	8x11	160	10x19.5	240	13x20	285	13x20	310	16x25	410	16x25	435	16x32	510		
	6.3x11	125					8x11	160	10x12	187	10x19.5	265	13x20	320			16x25	425		
					10x15	205			10x15	230										
220	8x11	215			10x12	275	10x15	305	13x20	410	13x25	480	16x25	575						
	10x12	215	10x15	215	10x19.5	275	13x20	305	16x25	520	16x25	570	16x32	660			18x36	720		
330	8x11	265	10x15	345	10x15	375	13x20	450			16x25	650								
	10x15	365	10x19.5	345	13x20	375	16x25	450	16x25	630	16x36	790	16x32	655						
470	10x12	370							13x25	655										
	10x19.5	370	13x20	410	13x25	485	16x25	540	16x32	820	16x32	835								
1000	13x25	690	16x25	885	16x32	855	16x25	950	16x32	1140										
2200	16x32	1250	16x36	1280	16x32	1510					22x40	1800								
3300	16x25	1570			18x36	1980														
4700	16x32	2020																		

Note : * 1. D x L : mm

* 2. Ripple Current mA rms at 105°C, 120KHz