Miniature Size Aluminum Electrolytic Capacitors

SS [For Super Miniature]

105□C Single-Ended Lead Aluminum Electrolytic Capacitors

DESCRIPTION

This type is designed to meet the demand or equipments for greatly reduced size and thickness, such as: portable micro computer, disk driver, small calculator and audio equipement.

Application : Portable Micro Computer,
Disk Driver,
Small Calculator and Audio

Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	50	120	300	1K	10K
0.1~47μF	0.75	1.00	1.20	1.30	1.50
100~330μF	0.75	1.00	1.10	1.15	1.20

Temperature coefficient

Temperature(°C)	65	85	105
Factor	1.70	1.30	1.00

ELECTRICAL CHARACTERISTICS

Operating Temperature : -40° ~ +105°C

Working Voltage : 6.3 ~ 80V

Rate Capacitance Range : 0.1 ~ 470μF

Capacitance Tolerance : -20 ~ +20%

DC Leakage Current (μA) : I = 0.01CV (μA) or 3μA Whichever is greater.

(After 2 Minutes Application of DC Working Voltage at 25°C)

Dissipation Factor : at 120 Hz, 25°C

WV (V) :	6.3	10	16	25	35	50	63	80
D.F (%) :	24	20	17	15	12	10	8	8

Load Life : 1000 Hours at 105°C Assured with Full Rated Maximum Ripple Current Applied

(a) Capacitance Change : Within 20% of Initial Value
(b) Dissipation Factor : Not Exceed 200% of Initial Requirement
(c) Leakage Current : Not Exceed the Initial Requirement

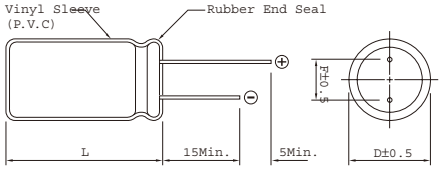
Shelf Life : 500 Hours, No Voltage Applied, at 105°C

(a) Capacitance Change : Within 20% of Initial Value
(b) Dissipation Factor : Not Exceed 200% of Initial Requirement
(c) Leakage Current : Not Exceed 200% of Initial Requirement

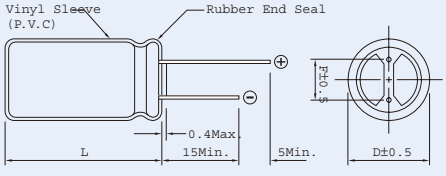
Pb-free
RoHS
COMPLIANT

DIAGRAM OF DIMENSIONS

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	
6.3	2.5	
8.0	3.5	0.5

CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS

CAP. (μF)	RATED VOLTAGE WV															
	6.3		10		16		25		35		50		63		80	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4 x 7	1	4 x 7	1		
0.22											4 x 7	2	4 x 7	2		
0.33											4 x 7	3	4 x 7	4		
0.47											4 x 7	5	4 x 7	6		
0.68											4 x 7	6				
1.0											4 x 7	10	4 x 7	13		
2.2					4 x 7	7					4 x 7	19	4 x 7	21		
3.3					4 x 7	13					4 x 7	24	4 x 7	26		
4.7					4 x 7	19	4 x 7	24	4 x 7	24	4 x 7	29	4 x 7	26		
									5 x 7	28	5 x 7	29	6 x 7	33		
			4 x 7	10	4 x 7	29	4 x 7	33	4 x 7	34	4 x 7	37	5 x 7	42	6 x 7	32
10							5 x 7	35	5 x 7	36	5 x 7	45	6 x 7	50		
							6 x 7	35			6 x 7	45				
	4 x 7	34	4 x 7	31	4 x 7	44	4 x 7	43	5 x 7	48	6 x 7	65				
22			5 x7	38	5 x 7	44	5 x 7	51	6 x7	57						
							6 x 7	51								
33	5 x 7	42	4 x 7	39	4 x 7	50	5 x 7	55	6 x 7	59						
			5 x 7	47	5 x 7	57	6 x 7	65								
	4 x 7	46	4 x 7	50	5 x 7	75	5 x 7	67	6 x 7	85						
47	5 x 7	50	5 x 7	60	6 x 7	75	6 x 7	80	8 x 7	59						
			6 x 7	59												
68					5 x 7	84	6 x 7	91								
100	5 x 7	75	5 x 7	85	5 x 7	75	6 x 7	89								
	6 x 7	77	6 x 7	100	6 x 7	89	8 x 7	120								
150					6 x 7	120										
220	6 x 7	130	6 x 7	130	8 x 7	140										
330	8 x 7	159														
470			8 x 9	226												

Note : * 1. D x L : mm

* 2. Size : 6 x 7 Actually is 6.3 x 7

* 3. mA rms at 105°C, 120Hz