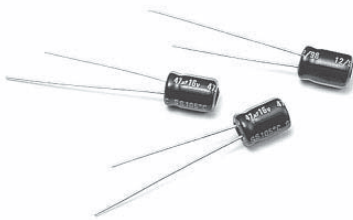


Miniature Size Aluminum Electrolytic Capacitors

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 equipment.

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

Multiplier for Ripple Current

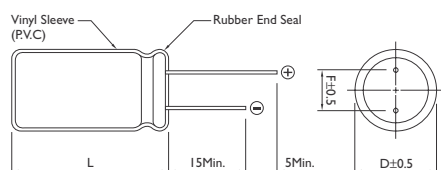
Frequency coefficient

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

DIAGRAM OF DIMENSIONS



ELECTRICAL CHARACTERISTICS

Operating Temperature : -40° ~ +105°C

Working Voltage : 6.3 ~ 63V

Rate Capacitance Range : 0.1 ~ 470µF

Capacitance Tolerance : -20 ~ +20%

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

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

Dissipation Factor : at 120 Hz, 25°C

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

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

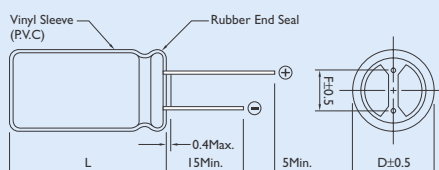
- (a) Capacitance Change : Within 20% of Initial Value
- (b) Dissipation Factor : Not Exceed 200% of Initial Requirement
- (c) Leakage Current : Not Exceed the Initial Requirement

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

Dimensions : mm

Rubber Stand-off



$L \leq 12$ $L + 1.5\text{Max.}$
 $13 \leq L \leq 15$ $L + 1.0$
 $L \geq 16$ $L + 2.0\text{Max.}$

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 W V													
	6.3		10		16		25		35		50		63	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4 × 7	1	4 × 7	1
0.22											4 × 7	2	4 × 7	2
0.33											4 × 7	3	4 × 7	4
0.47											4 × 7	5	4 × 7	6
0.68											4 × 7	6		
1.0											4 × 7	10	4 × 7	13
2.2					4 × 7	7					4 × 7	19	4 × 7	21
3.3					4 × 7	13					4 × 7	24	4 × 7	26
4.7					4 × 7	19	4 × 7	24	4 × 7	24	4 × 7	29	4 × 7	26
10									5 × 7	24	5 × 7	31	6 × 7	33
			4 × 7		4 × 7	29	4 × 7	33	4 × 7	34	4 × 7	37	5 × 7	42
							5 × 7	35	5 × 7	36	5 × 7	45	6 × 7	50
22							6 × 7	35			6 × 7	45		
	4 × 7	37	4 × 7	31	4 × 7	36	4 × 7	43	5 × 7	48	6 × 7	65		
			5 × 7	38	5 × 7	44	5 × 7	51	6 × 7	57				
33							6 × 7	53						
	5 × 7	42	4 × 7	39	4 × 7	50	5 × 7	55	6 × 7	70				
			5 × 7	47	5 × 7	57	6 × 7	55						
47														
	4 × 7	46	4 × 7	50	5 × 7	75	5 × 7	67	6 × 7	81	8 × 7			
	5 × 7	55	5 × 7	60	6 × 7	77	6 × 7	79						
68														
					5 × 7	84								
100	5 × 7	75	5 × 7	85	5 × 7	94	6 × 7	120	8 × 7					
	6 × 7	90	6 × 7	100	6 × 7	110	8 × 7	120						
150					6 × 7	120								
220														
	6 × 7	130	6 × 7	135	8 × 7	140								
330					8 × 9	140								
	8 × 7	140	8 × 7			155								
470	8 × 7		8 × 9	165										

Note : * 1. D × L : mm

* 2. Size : 6 × 7 Actually is 6.3 × 7

* 3. mA rms at 105°C, 120Hz