



Miniature Size Aluminum Electrolytic Capacitors

SG [Electronic Ballast]

105°C Single-Ended Lead Aluminum Electrolytic Capacitors

FEATURES

Life Time : 105°C, 5000 Hours

Radial Lead Type with the Standard Case Sizes Ranging from $\phi 10 \times 19$ to $\phi 22 \times 40$

RECOMMENDED APPLICATIONS

Long Life 5000 Hours at 105°C Assured with Full Rated Maximum Ripple Current Applied

Suitable for Electronic Ballast and Other Long Life Equipment

Special designs are available upon requests.

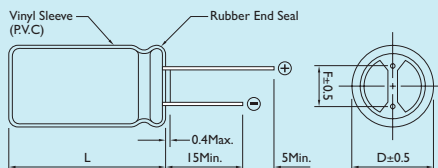
FREQUENCY CORRECTION FACTOR FOR RIPPLE CURRENT

FREQUENCY (Hz)	CORRECTION FACTOR
50.60	0.80
120	1.00
300	1.20
1K	1.40
10K ~ 100K	1.60

DIAGRAM OF DIMENSIONS

D ϕ	F	d ϕ
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

Rubber Stand-off



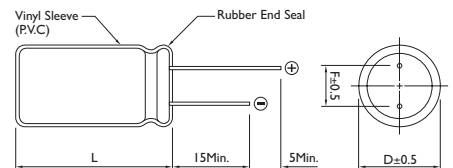
$L \leq 12$ $L + 1.5\text{Max.}$
 $13 \leq L \leq 15$ $L^{+1.0}_{-0.5}$
 $L \geq 16$ $L + 2.0\text{Max.}$



DESCRIPTION

For Detail Specifications, Please Refer to Engineering Bulletin No. 2064

Dimensions : mm





SPECIFICATIONS

Operating Temp. Range	160 to 400VDC : -40 to +105°C		450VDC : -25 to +105°C				
Working Voltage	160 to 450VDC						
Rate Capacitance Range	3.3 to 330μF						
Capacitance Tolerance	±20% (120HZ / +25°C)						
DC Leakage Current	I ≤ 0.06cv + 10 (μA) After 2 Minutes Application of Rated Working Voltage at +25°C						
D.F	WV(V) 120HZ / +25°C	160	200	250	350	400	450
	D.F (%)	15	15	15	20	24	24
Characteristics at	WV (V)	160	200	250	350	400	450
Low Temperature	Z (-25°C) / Z (+20°C)	3	3	3	5	5	6
	Z (-40°C) / Z (+20°C)	6	6	6	6	6	
Endurance (Load Life)	After 5000 hours application of DC voltage with specified ripple current (≤ rated DC working voltage) at +105°C, the capacitor shall meet the following limits.						
	Capacitance Change	± 20% of Initial Measured Value					
	Dissipation Factor	≤ 200% of Initial Specified Value					
	Leakage Current	≤ Initial Specified Value					
Shelf Life	1000 Hours No Voltage Applied						
	Capacitance Change	Within 20% of Initial Value					
	Dissipation Factor	Not Exceed 200% of Initial Requirement					
	Leakage Current	Not Exceed 200% of Initial Requirement					

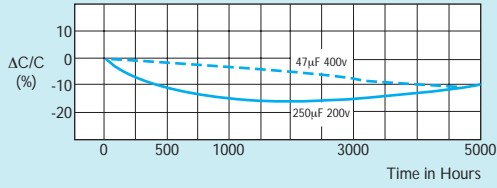
CASE SIZE OF STANDARD PRODUCTS $D\phi \geq 6\text{mm}$ with Safety Vent at Can Bottom

CAP. (μF)	WV (SV)																	
	160 (200)			200 (250)			250 (300)			350 (400)			400 (450)			450 (500)		
	D x L	IMPE-DANCE	RIPPLE CURRENT	D x L	IMPE-DANCE	RIPPLE CURRENT	D x L	IMPE-DANCE	RIPPLE CURRENT	D x L	IMPE-DANCE	RIPPLE CURRENT	D x L	IMPE-DANCE	RIPPLE CURRENT	D x L	IMPE-DANCE	RIPPLE CURRENT
3.3																10x19	6.5	60
4.7																13x20	3.6	80
10.0							10x19	3.5	100	10x19	3.0	100	10x19	2.9	100	13x20	3.0	110
22.0	10x19	1.52	160	10x19	1.50	160	13x20	2.5	160	13x20	2.1	160	13x25	1.35	170	16x25	1.8	190
													16x20	1.00	200	18x20	2.2	200
33.0	10x19	1.30	210	13x20	0.95	210	13x20	1.9	210	13x25	1.00	230	16x25	0.95	230	16x32	1.3	275
										16x20	0.91	250	18x20	0.91	250	18x25	1.2	280
47.0	13x20	0.95	260	13x20	0.91	260	13x25	1.7	270	16x25	0.75	300	16x32	0.75	300	18x32	1.0	340
							16x20	1.5	275	18x20	0.80	315	18x25	0.80	325			
68.0	13x25	0.60	360	13x25	0.60	360	16x25	0.80	380	16x32	0.50	400	18x36	0.49	420	18x40	0.8	460
	16x20	0.55	430	16x20	0.55	430	18x20	0.90	375	18x25	0.55	380						
100.0	16x25	0.30	475	16x25	0.30	475	16x32	0.65	520	18x32	0.40	530	18x40	0.34	545	22x40	0.6	580
	18x20	0.31	465	18x20	0.31	465	18x25	0.65	500									
150.0	16x32	0.22	650	18x25	0.27	650	18x32	0.45	650				22x40	0.30	650			
	18x25	0.24	625															
220.0	16x32	0.22	750	18x32	0.22	780	18x40	0.35	820									
	18x25	0.24	725															
330.0	18x32	0.22	960															

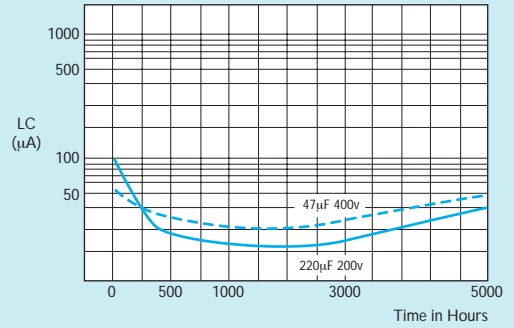
Note : $\phi D \times L$: mm, Ripple Current Spec : 120HZ / +105°C (mA, rms), Impedance Spec : 100KHZ / +25°C (Ω Max.)

LOAD LIFE

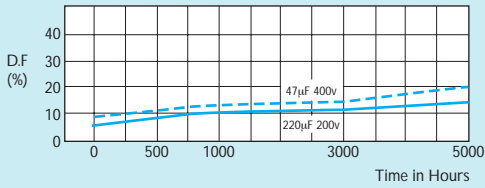
Capacitance Change Ratio



Leakage Current Change

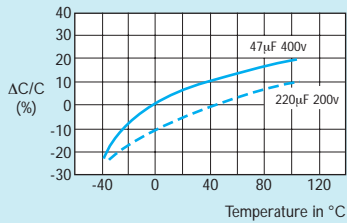


Dissipation Factor Change

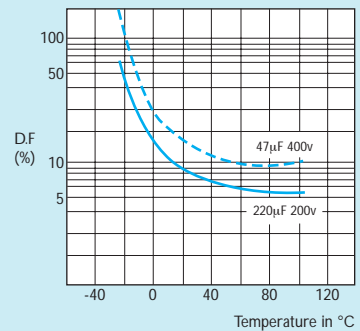


TEMPERATURE CHARACTERISTICS

Capacitance Change Ratio



Dissipation Factor Change



单击下面可查看定价，库存，交付和生命周期等信息

[>>Yageo\(国巨\)](#)