

Miniature Aluminum Electrolytic Capacitors

SR [For Horizontal Deflection]

Bi-Polarized Capacitors for Horizontal Deflection Circuits of TV Sets



DESCRIPTION

Bi-Polarized Type for Used in Horizontal Deflection Current

Correction at High Frequency and High Ripple Currents

Lower Cost Compared with other Film Capacitors

MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

FREQUENCY (Hz)	60	120	400~1K	15.75K
FACTOR	0.4	0.4	0.8	1.0

Temperature Coefficient

TEMPERATURE (°C)	65	70	85
FACTOR	1.15	1.00	0.80

ELECTRICAL CHARACTERISTICS

Operating Temperature Range : -40 ~ +85°C

Rated Voltage Range : 25, 35, 50V

Rated Capacitance Range : 2.2 ~ 47μF

Capacitance Tolerance : -20 ~ +20% at 120Hz, 20°C

DC Leakage Current : 100μA Max.
(After 2 Minutes Both Direction)

Dissipation Factor :

WV (V) :	25	35	50
D.F. (%) :	5	5	5

Endurance: After the rated voltage has been applied at 85°C for 1000 hours (Polarity Inverted Every 250 Hours) The Capacitors Shall Meet the Following Requirements.

(a) Capacitance Change : Within 20% of Initial Value

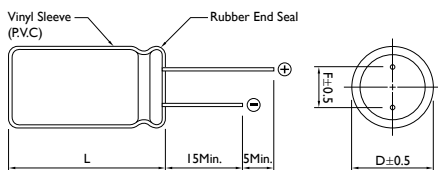
(b) Dissipation Factor : Not Exceeding 150% of Specified Value

(c) Leakage Current : Not Exceeding the Specified Value

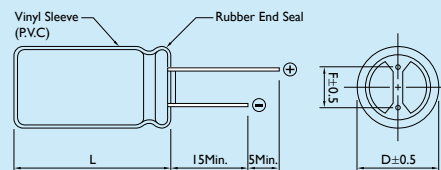
Shelf Life : After having been placed at 85°C without voltage applied for 500 hours, the capacitors shall meet the same requirements as Endurance.

DIAGRAM OF DIMENSIONS

Dimensions: mm



Rubber Stand-off



$L \leq 16$ $L + 1.5\text{Max.}$
 $L > 16$ $L + 2\text{Max.}$
 $D\phi = 8 \ \& \ 10$ $L + 2.5\text{Max.}$

$D\phi < 20$ $D\phi + 0.5$
 $D\phi \geq 20$ $D\phi + 1$

D ϕ	F	d ϕ
12.0	5.0	0.6
13.0		
16.0	7.5	0.8
18.0		
22.0	10.0	0.8 (1.0)

CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS

D x L: mm

CAP. (μF)	RATED VOLTAGE WV (SURGE VOLTAGE WV)					
	25 (32) SIZE	RIPPLE	35 (44) SIZE	RIPPLE	50 (63) SIZE	RIPPLE
2.2	16 x 25	6	16 x 25	6	16 x 25	6
3.3	16 x 25	7	16 x 25	7	16 x 25	7
4.7	16 x 25	7	16 x 25	7	16 x 25	7
5.6	16 x 32	7	16 x 32	7	16 x 32	7
6.8	16 x 36	8	16 x 36	8	16 x 36	8
8.2	16 x 36	8	16 x 36	8	16 x 36	8
10	18 x 40	12	18 x 40	12	18 x 40	12
13	18 x 40	12	18 x 40	12	18 x 40	12
15	18 x 40	12	18 x 40	12	18 x 40	12
18	22 x 40	13	22 x 40	13	22 x 40	13
20	22 x 40	13	22 x 40	13	22 x 40	13
22	22 x 40	13	22 x 40	13	22 x 40	13
25	22 x 40	13	22 x 40	13	22 x 40	13
47	22 x 40	13	22 x 40	13	22 x 40	13

Note: I. Ripple Current: (Ap-p) / Sawtooth Waveform 85°C, 15.75KHz