

# Screw Type Aluminum Electrolytic Capacitors

# NG [ For Low Voltage, Large Capacity ]

Low Leakage Current, Small Size and High Ripple Current

## ELECTRICAL CHARACTERISTICS

Operating Temperature Range	-40 to +85°C
Rated Voltage Range	10 ~ 100V
Rated Capacitance Range	2200 ~ 1000000μF
Capacitance Tolerance	±20% (120Hz, 20°C)
Leakage Current	D = 35mm I ≤ 0.02CV (μA) or 4mA (at 20°C, after 2 minutes, whichever is smaller.) D ≥ 51mm I ≤ 0.03CV (μA) or 6mA (at 20°C, after 2 minutes, whichever is smaller.)
Endurance	After the rated voltage has been applied at 85°C for 2000 hours and then has resumed its original condition for 16 hours. (a) Capacitance Change: ±15% Initial Measured Value (b) Dissipation Factor: ≤ 2 Times Initial Specified Value (c) Leakage Current: ≤ Initial Specified Value
Shelf Life	After having been stored for 1000 hours at 85°C and then has resumed its original condition for 16 hours. (a) Capacitance Change: ±15% Initial Measured Value (b) Dissipation Factor: ≤ 2 Times Initial Specified Value (c) Leakage Current: ≤ Initial Specified Value



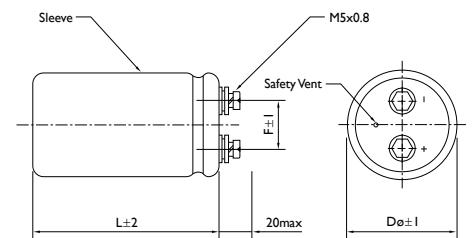
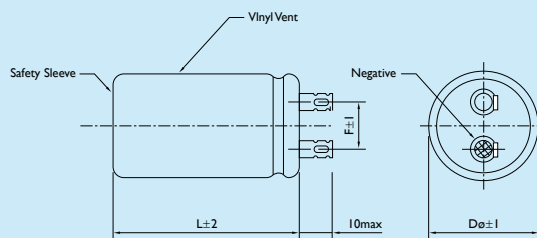
## DESCRIPTION

Endurance : 85°C 2000 Hours  
Low Voltage (≤ 100V), Large Capacitance, Lug or Screw Type, Low Dissipation Factor

## DIAGRAM OF DIMENSIONS

Unit: mm

Dø	F	L
35	12	50, 60, 80, 100, 120
51	22	80, 100, 120
63.5	28	100, 120, 140
76	32	100, 120, 140
89	32	140





## CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS

D x L: mm

CAP. (μF)	RATED VOLTAGE WV (SURGE VOLTAGE WV)								
	6.3 (8)			10 (13)			16 (20)		
	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR
22000							35 x 50	4.50	0.50
33000				35 x 50	4.20	0.75	35 x 80	6.40	0.50
47000				35 x 80	6.20	0.75	35 x 100	8.20	0.50
68000				35 x 100	8.00	0.75	35 x 120	10.50	0.50
100000				35 x 120	10.40	0.75	51 x 80	10.70	0.75
150000				51 x 80	11.30	1.00	51 x 120	14.80	0.75
220000				51 x 120	15.50	1.00	63.5 x 120	17.00	1.00
330000				63.5 x 120	17.00	1.50	76 x 120	14.80	1.50
470000				76 x 120	21.90	2.00			
1000000	63.5 x 140	40.00	1.50	63.5 x 140	35.00	1.50	76 x 140	30.00	1.50

Note: 1. Ripple Current: (A/rms) 85°C, 120Hz

2. Dissipation Factor: 120Hz / 20°C

**CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS**

D x L: mm

CAP. (μF)	RATED VOLTAGE WV (SURGE VOLTAGE WV)								
	25 (32)			35 (44)			50 (63)		
	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR
6800							35 x 50	3.60	0.25
10000				35 x 50	4.30	0.25	35 x 60	4.70	0.25
15000	35 x 50	4.40	0.35	35 x 80	6.20	0.25	35 x 80	6.20	0.25
22000	35 x 80	6.30	0.35	35 x 100	8.00	0.25	51 x 80	7.30	0.35
33000	35 x 100	8.30	0.35	51 x 80	9.00	0.35	51 x 80	9.00	0.35
47000	51 x 80	8.90	0.50	51 x 100	11.50	0.35	51 x 100	11.50	0.35
68000	51 x 80	10.80	0.50	51 x 120	14.60	0.35	63.5 x 100	12.70	0.50
100000	51 x 120	14.80	0.50	63.5 x 100	15.40	0.50	76 x 100	16.60	0.50
150000	63.5 x 120	16.20	0.75	76 x 120	21.40	0.50			
220000	76 x 120	21.20	0.75						
1000000	89 x 140	28.00	0.75						

Note: 1. Ripple Current: (A/rms) 85°C, 120Hz

2. Dissipation Factor: 120Hz / 20°C



## CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS

D x L: mm

CAP. (μF)	RATED VOLTAGE WV (SURGE VOLTAGE WV)								
	63 (79)			80 (100)			100 (125)		
	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR
2200							35 x 50	2.10	0.25
3300							35 x 80	3.00	0.25
4700	35 x 50	3.00	0.25	35 x 80	3.40	0.25	35 x 100	3.90	0.25
6800	35 x 60	3.90	0.25	35 x 80	4.30	0.25	35 x 120	4.90	0.25
10000	35 x 80	5.10	0.25	35 x 100	4.20	0.25	51 x 80	6.00	0.25
				51 x 80	6.00	0.30			
15000	51 x 80	6.70	0.35	51 x 100	7.00	0.30	51 x 120	8.30	0.25
22000	51 x 80	7.40	0.35	63.5 x 100	7.80	0.35	63.5 x 120	9.10	0.35
33000	51 x 100	9.70	0.35	76 x 100	10.50	0.40	76 x 120	12.00	0.35
47000	63.5 x 100	10.50	0.50	76 x 120	13.50	0.40			
100000	63.5 x 120	13.4	0.50						

Note: 1. Ripple Current: (A/rms) 85°C, 120Hz

2. Dissipation Factor: 120Hz / 20°C