

LY6 LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS



Screw Terminal, Miniaturized, High Ripple capacitors

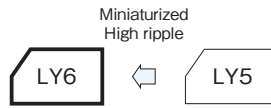
GREEN CAP

85°C
5000hours

- Screw Terminal, Miniaturized, High Ripple capacitors.
- Guarantees 5000 hours at 85°C.



Marking color : Silver print on a black sleeve



Specifications

Item	Performance			
Category temperature range (°C)	-25 to +85			
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)			
Leakage current (µA)	Less than 0.01 CV or 5mA whichever is smaller (after 5 minutes) C : Rated capacitance (µF) ; V : Rated voltage (V) (20°C)			
Tangent of loss angle (tanδ)	Rated voltage (V)	400, 450	500, 550	600
	tanδ (max.)	0.15	0.20	0.25
Endurance (85°C) (Applied ripple current)	Test time	5000 hours		
	Leakage current	The initial specified value or less		
	Percentage of capacitance change	Within ±20% of initial value		
	Tangent of the loss angle	200% or less of the initial specified value		
Shelf life (85°C)	Test time	1000 hours		
	Leakage current	The initial specified value or less		
	Percentage of capacitance change	Within ±20% of initial value		
	Tangent of the loss angle	200% or less of the initial specified value		
Voltage application treatment				
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1995)			

Outline Drawing

Unit : mm

φD	36	51	64	77	90	101
F±1	12.7	22.0	28.2	31.4	31.4	41.5

Mounting Clamp

Unit : mm

Code J (2—legs)

φD	W1	W2	A	B
36	48	58	3.8	7
51	68	80	5	7
64	81	93	5	7
77	93.5	106	5	7
90	108	120.5	5	7

Code K (3—legs)

φD	R1	R2	A	B
51	31.8	36.5	5	7
64	38.1	42.6	5	7
77	44.5	49.2	5	7
90	50.8	55.6	5	7
101	57.5	63.5	6	8

φD	H
36	15
51~101	30

Part numbering system (example : 400V12000µF)

LY6	—	400	V	123	M	FF7	B	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Optional symbol	Clamp code

Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	50	120	300	1k	10k
Rated voltage (V)					
400 to 600	0.80	1	1.10	1.30	1.40

NOTE : Design, Specifications are subject to change without notice. It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.

Standard Ratings

400V						450V					
Rated capacitance (μ F)	Case (mm)		Casing symbol	ESR	Rated ripple current	Rated capacitance (μ F)	Case (mm)		Casing symbol	ESR	Rated ripple current
	ϕ D	L		(m Ω max.)	(mArms)		ϕ D	L		(m Ω max.)	(mArms)
2200	51	115	CB5	98	8.8	1800	51	115	CB5	119	7.6
2700	51	130	CD0	80	10.2	2200	51	130	CD0	98	8.8
3300	64	96	D96	65	11.0	2700	64	96	D96	80	9.5
3900	64	115	DB5	55	12.8	3300	64	115	DB5	65	11.2
4700	64	130	DD0	46	14.8	3900	64	130	DD0	55	12.8
5600	77	115	EB5	38	16.2	4700	77	115	EB5	46	14.1
6800	77	130	ED0	32	18.7	5600	77	130	ED0	38	16.2
8200	77	155	EF5	26	22.0	6800	77	155	EF5	32	19.1
10000	77	195	EJ5	22	26.7	8200	77	195	EJ5	26	23.0
	90	131	FD1	22	24.2		90	131	FD1	26	21.0
12000	90	157	FF7	18	28.5	10000	90	171	FH1	22	25.7
15000	90	196	FJ6	14	34.8	12000	90	196	FJ6	18	29.7
18000	90	236	FN6	12	41.2		101	175	GH5	18	29.3
22000	101	237	GN7	10	47.0	15000	90	236	FN6	14	35.9
—	—	—	—	—	—		101	195	GJ5	14	24.2
—	—	—	—	—	—		18000	101	237	GN7	12

500V						550V					
Rated capacitance (μ F)	Case (mm)		Casing symbol	ESR	Rated ripple current	Rated capacitance (μ F)	Case (mm)		Casing symbol	ESR	Rated ripple current
	ϕ D	L		(m Ω max.)	(mArms)		ϕ D	L		(m Ω max.)	(mArms)
1200	51	115	CB5	215	6.2	1000	51	130	CD0	258	5.9
	64	96	D96	215	6.3	1200	64	115	DB5	215	6.8
1500	51	130	CD0	172	7.3	1500	64	130	DD0	172	8.0
	64	96	D96	172	7.1	1800	77	115	EB5	143	8.7
1800	64	115	DB5	143	8.3	2200	77	130	ED0	117	10.1
2200	64	130	DD0	117	9.6	2700	77	155	EF5	96	12.0
2700	77	115	EB5	96	10.7	3300	77	155	EF5	78	13.3
3300	77	130	ED0	78	12.4	3900	90	157	FF7	66	15.5
3900	77	155	EF5	66	14.4	4700	90	171	FH1	55	17.6
4700	77	171	EH1	55	16.5	5600	90	196	FJ6	46	20.3
	90	131	FD1	55	15.8	6800	90	236	FN6	38	24.1
5600	77	195	EJ5	46	19.0	8200	101	237	GN7	31	27.3
	90	157	FF7	46	18.6						
6800	90	171	FH1	38	21.2						
8200	90	196	FJ6	31	24.5						
	101	175	GH5	31	24.2						
10000	90	236	FN6	26	29.3						
	101	195	GJ5	26	27.9						
12000	101	237	GN7	22	33.1						

600V					
Rated capacitance (μ F)	Case (mm)		Casing symbol	ESR	Rated ripple current
	ϕ D	L		(m Ω max.)	(mArms)
1000	64	130	DD0	323	5.4
1200	77	115	EB5	269	6.1
1500	77	130	ED0	214	7.3
1800	77	155	EF5	179	8.9
2200	90	131	FD1	146	9.7
2700	90	157	FF7	120	11.6
3300	90	171	FH1	98	13.4
3900	90	196	FJ6	83	16.2
4700	90	196	FJ6	69	19.5
5600	101	220	FM0	58	22.5

(Note) Rated ripple current : 85°C , 120Hz ; ESR : 20°C , 120Hz