

YK

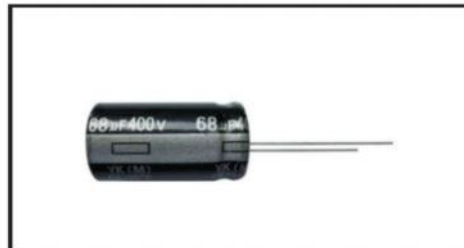
MINIATURE ALUMINUM
ELECTROLYTIC CAPACITORS

For switch-power supply systems

◆ FEATURES

- Very excellent ripple current ability
- Load life: 105°C 3000Hrs

◆ SPECIFICATIONS



Rated voltage

YK

Series



Rated Capacitance



Capacitance tolerance



Terminal Code

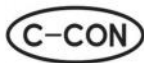
DXL

Sleeve Color

Item	Characteristics					
Operating Temperature Range	-40 ~ +105°C			-25 ~ +105°C		
Rated Voltage Range (W V)	200V _{dc} ~ 250V _{dc}			400V _{dc} ~ 500V _{dc}		
Capacitance Tolerance	± 20% (M)			(at 20°C , 120Hz)		
DC Leakage Current	I ≤ 0.03CV+10 (μ A) (at 20°C) After 2 minutes application of rated voltage)					
Dissipation Factor	wv	200	250	400	450	500
	TAN δ	0.15	0.15	0.15	0.15	0.20
	When rated capacitance is over 1000 μ F, TAN δ shall be added 0.02					(at 20°C , 120Hz)
Temperature Characteristics	Impedance ratio at 120Hz			200-250V.DC , Z-40°C / Z20°C = 4MAX. 400-500V.DC, Z-25°C / Z20°C =6 MAX.		
	(φ 6.3:2000HRS; ≥ φ 8:3000HRS) After 3000 hours application of rated voltage at 105°C					
Load Life	Capacitance Change		Within ±25% of the initial value			
	Dissipation Factor		Not more than 200% of the specified value			
	Leakage Current		Not more than the specified value			
Shelf Life	After storage for 1000 Hrs at +105°C with no voltage applied , the capacitor shall meet the specified limits for "Load Life "					
Others	JIS C 5141					

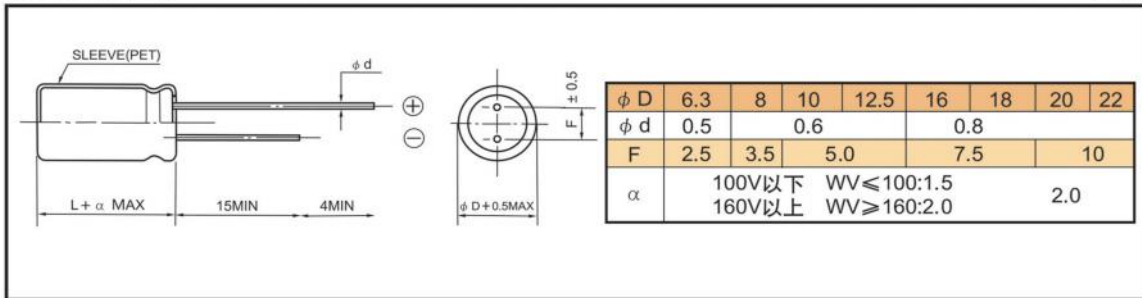
◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		50 (60)	120	1k	10k	100k ≤
Coefficient	1~4.7 μF	0.40	0.50	0.60	0.90	1.00
	≥4.7 μF	0.50	0.60	0.80	0.90	1.00



◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Rated Voltage (V. DC)	Capacitance (μ F)	Size Φ D× L	Rated Ripple Current (mA r. m. s. /10 5°C. 100KHz)	Rated Voltage (V. DC)	Capacitance (μ F)	Size Φ D× L	Rated Ripple Current (mA r. m. s. /10 5°C. 100KHz)	
200 (2D)	4.7 (4R7)	6.3×11	98	250 (2E)	1 (010)	6.3×11	60	
		8×12	124		2.2 (2R2)	6.3×11	72	
	6.8 (6R8)	8×12	129		3.3 (3R3)	8×12	120	
		10×11	180			6.3×11	84	
	10 (100)	8×12	129			8×12	124	
		10×12.5	170		4.7 (4R7)	6.3×11	98	
		10×16	240		8×12	124		
	15 (150)	8×14	167		6.8 (6R8)	8×12	129	
		10×12.5	214		10 (100)	10×12.5	171	
		10×16	240		10×16	240		
	22 (220)	10×16	240		15 (150)	10×12.5	171	
		10×20	280			10×16	240	
	33 (330)	10×16	240		22 (220)	10×16	268	
		10×20	280			10×20	280	
		13×17	320		33 (330)	10×20	280	
	47 (470)	10×20	280		47 (470)	13×20	440	
		13×20	440		68 (680)	16×20	600	
	68 (680)	13×20	440			18×18	720	
		100 (101)	13×30		790	82 (820)	16×20	600
	16×25		510		100 (101)	16×25	510	
	18×20		750			18×20	750	
	150 (151)	16×30	930		150 (151)	18×25	1120	
		18×25	1120		220 (221)	18×40	1500	
	220 (221)	16×30	930					
		18×30	1210					
		18×32	1300					
	330 (331)	18×35	1500					
		22×30	1720					
		22×35	2100					
	470 (471)	22×40	2400					

◆ STANDARD SIZE

Rated Voltage (V. DC)	Capacitance (μ F)	Size Φ D×L	Rated Ripple Current (mA r. m. s. /10 5°C. 100KHz)
400 (2G)	1 (010)	6.3×11	48
		8×12	56
	2.2 (2R2)	6.3×11	50
		8×9	72
		8×12	80
		6.3×11	50
	3.3 (3R3)	8×9	72
		8×12	94
	4.7 (4R7)	6.3×15	120
		8×9	75
		8×12	94
		10×12.5	122
	6.8 (6R8)	8×12	94
		8×14	105
		10×11	120
		10×12.5	130
		8×14	105
	8.2 (8R2)	10×12.5	130
		8×16	120
	10 (100)	10×12.5	130
		10× (15) 16	160
		8×16	120
	12 (120)	10×12.5	130
		10× (15) 16	160
		10×16	160
	15 (150)	10×20	220
		13×17	280
	22 (220)	10×25	450
		13×17	280
		13×20	450
	33 (330)	13×20	450
		13×25	480
		16×18	500
	47 (470)	16×20	550
		13×25	500
		16×20	550
	56 (560)	16×25	740
		18×18	740
		16×25	740
	68 (680)	18×20	780
		16×25	740
		16×30	960
	82 (820)	18×25	980
		16×30	960
		18×25	980
	100 (101)	18×30	1000
		16×33	980
		18×25	980
		18×30	1000
400 (2G)	120 (121)	16×35	1040
		18×30	1160
		18×35	1340
	150 (151)	18×35	1380
		18×40	1540
	180 (181)	18×45	1760
		22×40	1840
	220 (221)	18×45	1760
		22×40	1840
450 (2W)	1 (010)	8×12	80
		8×12	80
	2.2 (2R2)	8×12	80
		8×12	94
	3.3 (3R3)	10×12.5	122
		8×14	105
	4.7 (4R7)	10×12.5	130
		10×16	160
	6.8 (6R8)	10×20	220
		13×17	280
	10 (100)	13×20	450
		16×18	500
	15 (150)	13×20	450
		13×25	480
	22 (220)	16×25	740
		18×20	780
	33 (330)	16×30	960
		18×25	980
500 (2H)	47 (470)	18×25	980
		18×30	1000
	68 (680)	18×35	1380
		20×30	1400
	100 (101)	18×40	1500
		22×30	1580
	120 (121)	18×45	1760
		22×35	1800
	150 (151)	18×45	1760
		22×35	1800
	1 (010)	10×125	80
		10×125	80
	2.2 (2R2)	10×16	120
		10×20	160
	3.3 (3R3)	10×20	160
		13×17	180
	4.7 (4R7)	10×20	160
		13×17	180
	6.8 (6R8)	10×20	240
		13×20	240
	10 (100)	16×25	340
		16×30	360
	15 (150)	18×25	360
		18×30	440