



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CFX SERIES
Load Life : 105°C 5000 hours

*For LED Lighting.

 RoHS
compliance

◆SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	-25~+105°C	
Rated Voltage Range	160~450Vdc	
Capacitance Tolerance	±20% (20°C, 120Hz)	
Leakage Current(MAX)	CV ≤ 1000	CV > 1000
	I = 0.1CV + 40µA (1 minute) I = 0.03CV + 15µA (5 minutes)	I = 0.04CV + 100µA (1 minute) I = 0.02CV + 25µA (5 minutes)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc)	160 200 250 350 400 450 (20°C, 120Hz)
	tanδ	0.15 0.15 0.15 0.20 0.20 0.20
Endurance	After applying rated voltage with rated ripple current for 5000 hrs at 105°C, the capacitors shall meet the following requirements.	
	Capacitance Change	Within ±20% of the initial value.
	Dissipation Factor	Not more than 200% of the specified value.
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc)	160 200 250 350 400 450 (120Hz)
	Z(-25°C)/Z(20°C)	3 3 3 6 6 6

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		120	1k	10k	100k ≤
Coefficient	2.2~4.7µF	0.2	0.4	0.8	1.0
	6.8~10µF	0.3	0.6	0.9	1.0
	22~100µF	0.5	0.8	0.9	1.0

◆OPTION

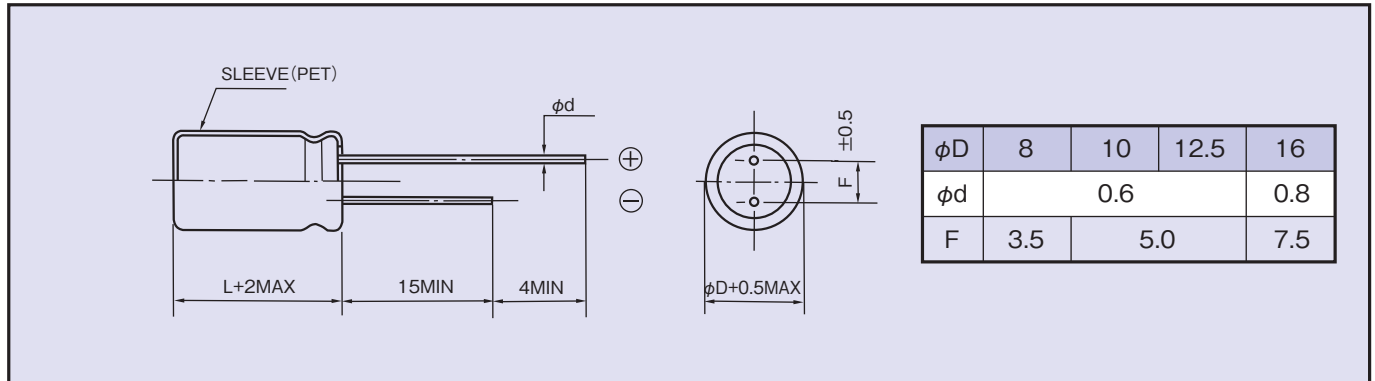
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□	CFX	□□□□□	M	□□□	□□	DXL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ **DIMENSIONS**

(mm)



◆ **STANDARD SIZE**

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (mA r.m.s. 105°C, 100kHz)
160	27	10×12.5	601
200	10	10×16	300
	22	10×12.5	595
		10×16	360
	33	10×20	500
	47	12.5×20	660
	68	12.5×25	760
	100	16×25	1120
250	6.8	10×12.5	340
	10	10×16	300
	15	10×12.5	468
	22	10×20	500
	33	12.5×20	600
	47	12.5×25	720
	68	16×25	920

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (mA r.m.s. 105°C, 100kHz)	
350	3.3	10×16	180	
	4.7	10×16	220	
	6.8	10×16	220	
	10	10×12.5	400	
		10×20	280	
	22	12.5×20	350	
	33	12.5×25	430	
	47	16×25	660	
	400	2.2	10×16	160
		3.3	10×16	180
4.7		10×16	220	
6.8		10×16	220	
8.2		8×23	400	
		10×12.5	330	
10		10×20	280	
22		12.5×25	430	
33		16×25	640	
450		3.3	10×12.5	307