

CFX SERIES
Load Life : 105°C 5000 hours

•For LED Lighting.

 RoHS
compliance

◆SPECIFICATIONS

Items	Characteristics												
Category Temperature Range	-25~+105℃												
Rated Voltage Range	160~450Vdc												
Capacitance Tolerance	±20% (20℃, 120Hz)												
Leakage Current(MAX)	CV≤1000					CV> 1000					I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)		
	I=0.1CV+40μA (1 minute)					I=0.04CV+100μA (1 minute)							
	I=0.03CV+15μA (5 minutes)					I=0.02CV+25μA (5 minutes)							
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc)							(20℃, 120Hz)					
	160	200	250	350	400	450							
	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℃, 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.							
	Leakage Current					Not more than the specified value.							
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc)							(120Hz)					
	160	200	250	350	400	450							
	Z(-25℃)/Z(20℃)							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

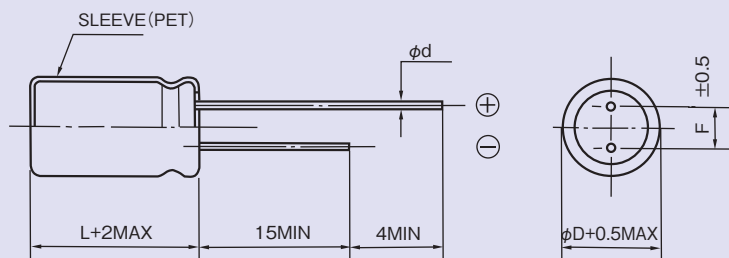
	Code
PET Sleeve	EFC

◆PART NUMBER

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

◆ **DIMENSIONS**

(mm)



ϕD	8	10	12.5	16
ϕd	0.6			0.8
F	3.5	5.0		7.5

◆ **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 (μ F)	Size ϕ D×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