

CFX SERIES

Load Life : 105°C 5000 hours.

◆FEATURES

- High Ripple Current.
- For Electronic Ballast, Power Supply.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25~+105℃								
Rated Voltage Range	160~450V.DC								
Capacitance Tolerance	±20% (20℃,120Hz)								
Leakage Current(MAX)	CV≤1000				CV>1000				I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)
	I=0.1CV+40μA (1 minute)				I=0.04CV+100μA (1 minute)				
	I=0.03CV+15μA (5 minute)				I=0.02CV+25μA (5 minute)				
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V)	160	200	250	350	400	450	(20℃,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℃, 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 (V)	160	200	250	350	400	450	(120Hz)	
	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

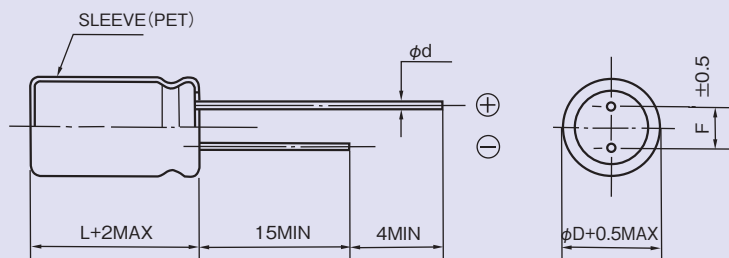
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□ CFX □□□□□ M □□□ □□ D×L
 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆ DIMENSIONS

(mm)



φD	10	12.5	16
φd	0.6		0.8
F	5.0		7.5

◆ STANDARD SIZE

Rated Voltage (V·DC)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105°C, 100kHz)
160 (2C)	27	10×12.5	601
200 (2D)	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 (2E)	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 (V·DC)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105°C, 100kHz)
350 (2V)	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 (2G)	2.2	10×16	160
	3.3	10×16	180
	4.7	10×16	220
	6.8	10×16	220
	8.2	10×12.5	330
		8×23	400
	10	10×20	280
	22	12.5×25	430
	33	16×25	640
450 (2W)	3.3	10×12.5	307