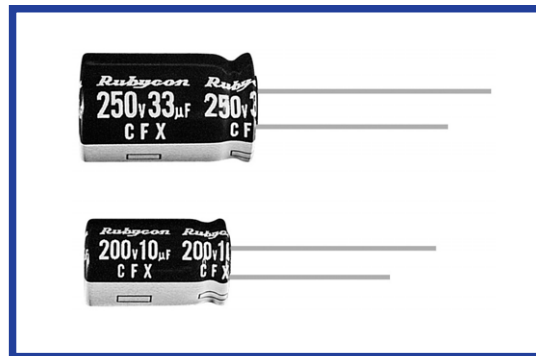


**CFX SERIES**
**Load Life : 105°C 5000 hours**
**◆FEATURES**

- High Ripple Current.
- 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)														
I=Leakage Current(µA) C=Capacitance(µF) V=Rated Voltage(Vdc)																
Dissipation Factor(MAX) (tanδ)	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> </tbody> </table> (20°C, 120Hz)		Rated Voltage (Vdc)	160	200	250	350	400	450	tanδ	0.15	0.15	0.15	0.20	0.20	0.20
Rated Voltage (Vdc)	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°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.														
Leakage Current	Not more than the specified value.															
	Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> <td>6</td> </tr> </tbody> </table> (120Hz)		Rated Voltage (Vdc)	160	200	250	350	400	450	Z(-25°C)/Z(20°C)	3	3	3	6	6
Rated Voltage (Vdc)	160	200	250	350	400	450										
Z(-25°C)/Z(20°C)	3	3	3	6	6	6										

**◆MULTIPLIER FOR RIPPLE CURRENT**

Coefficient	Frequency (Hz)	120	1k	10k	100k ≤
	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**

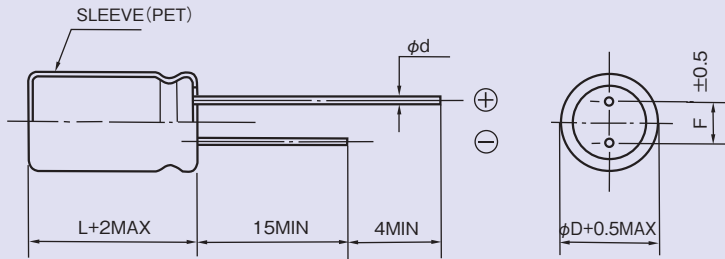
	Code
PET Sleeve	EFC

**◆PART NUMBER**

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

◆ DIMENSIONS

(mm)



$\phi D$	10	12.5	16
$\phi d$	0.6		0.8
F	5.0		7.5

◆ STANDARD SIZE

Rated Voltage (Vdc)	Capacitance ( $\mu F$ )	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 ( $\mu F$ )	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
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		3.3	10×12.5