

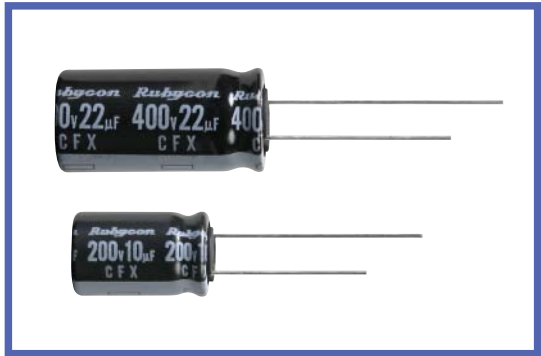


CFX SERIES

Load Life:105°C 5000 hours.

◆ **FEATURES**

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



◆ **SPECIFICATIONS**

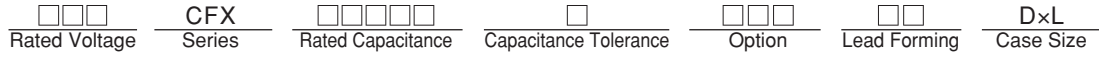
Items	Characteristics														
Category Temperature Range	-25 ~ +105°C														
Rated Voltage Range	200~400V.DC														
Capacitance Tolerance	±20%(20°C,120Hz)														
Leakage Current(MAX)	<table border="1"> <tr> <td colspan="2">CV ≤ 1000</td> <td colspan="2">CV > 1000</td> </tr> <tr> <td colspan="2">I=0.1CV+40µA (1 minute)</td> <td colspan="2">I=0.04CV+100µA (1 minute)</td> </tr> <tr> <td colspan="2">I=0.03CV+15µA (5 minute)</td> <td colspan="2">I=0.02CV+25µA (5 minute)</td> </tr> </table>	CV ≤ 1000		CV > 1000		I=0.1CV+40µA (1 minute)		I=0.04CV+100µA (1 minute)		I=0.03CV+15µA (5 minute)		I=0.02CV+25µA (5 minute)		<p>I=Leakage Current(µA) C=Rated Capacitance(µF) V=Rated Voltage(V)</p>	
CV ≤ 1000		CV > 1000													
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)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td rowspan="2">(20°C,120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> </tr> </table>	Rated Voltage (V)	200	250	350	400	(20°C,120Hz)	tanδ	0.15	0.15	0.20	0.20			
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tanδ	0.15	0.15	0.20	0.20											
Endurance	<p>After applying rated voltage with rated ripple current for 5000 hrs at 105°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>				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.					
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td rowspan="2">(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> </tr> </table>	Rated Voltage (V)	200	250	350	400	(120Hz)	Z(-25°C)/Z(20°C)	3	3	6	6			
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Z(-25°C)/Z(20°C)	3	3	6	6											

◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

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

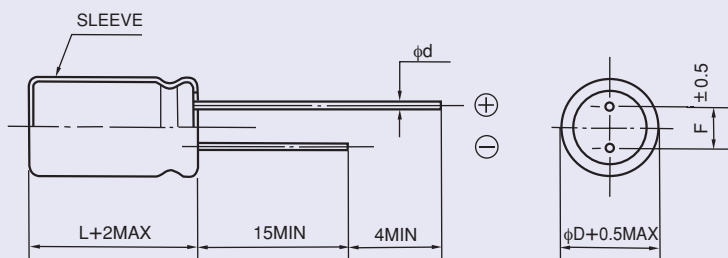
◆ **PART NUMBER**





◆ DIMENSIONS

(mm)



ϕD	10	12.5	16
ϕd	0.6	0.8	
F	5.0	7.5	

◆ STANDARD SIZE

Size $\phi D \times L$ (mm), Ripple Current (mA r.m.s./105°C, 100kHz)

WV(V.DC) Cap(μF)	200 (2D)		250 (2E)	
	Size	Ripple	Size	Ripple
10	10×16	300	10×16	300
22	10×16	360	10×20	500
33	10×20	500	12.5×20	600
47	12.5×20	660	12.5×25	720
68	12.5×25	760	16×25	920
100	16×25	1120		

WV(V.DC) Cap(μF)	350 (2V)		400 (2G)	
	Size	Ripple	Size	Ripple
2.2			10×16	160
3.3	10×16	180	10×16	180
4.7	10×16	220	10×16	220
6.8	10×16	220	10×16	220
10	10×20	280	10×20	280
22	12.5×20	350	12.5×25	430
33	12.5×25	430	16×25	640
47	16×25	660		