

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

CFX

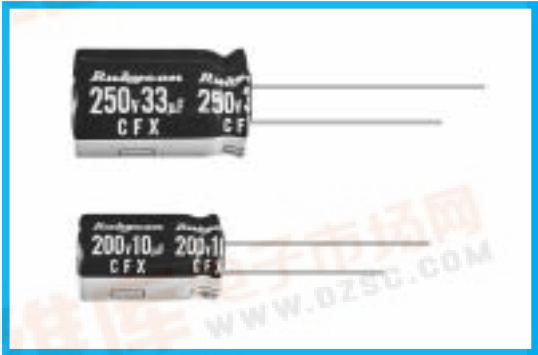
CFX

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	200~400V.DC																			
Capacitance Tolerance	±20% (20℃, 120Hz)																			
Leakage Current(MAX)	CV≤1000 I=0.1CV+40μA (1 minute) I=0.03CV+15μA (5 minute)		CV>1000 I=0.04CV+100μA (1 minute) I=0.02CV+25μA (5 minute)		I=Leakage Current(μ A) C=Rated Capacitance(μ F) V=Rated Voltage(V)															
Dissipation Factor(MAX) (tan δ)	<table><tr><td>Rated Voltage (V)</td><td>200</td><td>250</td><td>350</td><td>400</td></tr><tr><td>tan δ</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	tan δ	0.15	0.15	0.20	0.20	(20℃, 120Hz)								
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tan δ	0.15	0.15	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. <table><tr><td>Capacitance Change</td><td colspan="4">Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="4">Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="4">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><tr><td>Rated Voltage (V)</td><td>200</td><td>250</td><td>350</td><td>400</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>3</td><td>6</td><td>6</td></tr></table>	Rated Voltage (V)	200	250	350	400	Z(-25℃)/Z(20℃)	3	3	6	6	(120Hz)								
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Z(-25℃)/Z(20℃)	3	3	6	6																

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

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

◆PART NUMBER

Rated Voltage

CFX

Series

Rated Capacitance

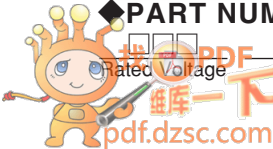
Capacitance Tolerance

Option

Lead Forming

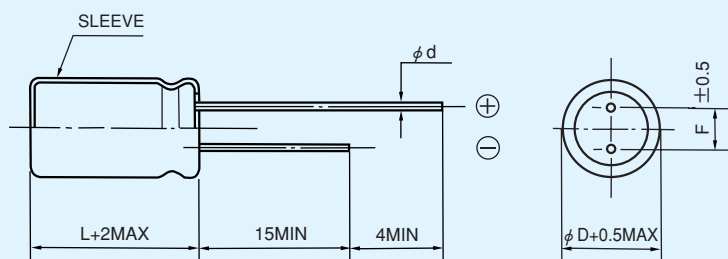
DXL

Case Size



◆DIMENSIONS

(mm)



ϕD	10	12.5	16
ϕd	0.6	0.8	
F	5.0	7.5	

◆STANDARD SIZE, RATED RIPPLE CURRENT

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

WV (V.DC) Cap (μF)	200V (2D)		250V (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)	350V (2V)		400V (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		