

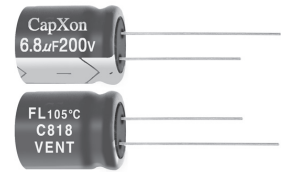
CapXon FL Series

FL Series Long Life for ballast 105°C

Features

- ◆ Specially designed for electronic ballast and energy-save lamp
- ◆ Load life 8000~10000 hrs at 105°C
- ◆ Safety vent construction design.
- ◆ For detail specifications, please refer to Engineering Bulletin NO. E149
- ◆ RoHS Compliant

FK → long life → **FL**



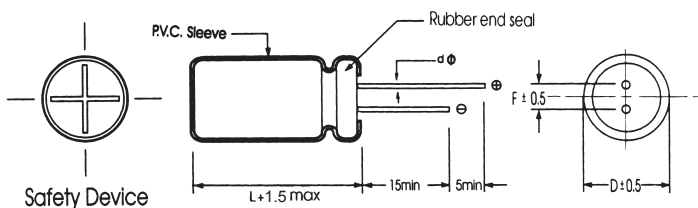
Specifications

Item	Performance Characteristics														
Operating Temperature Range	-25~+105°C														
Rated Voltage Range	160~450 VDC														
Capacitance Range	0.1 to 330 µF														
Capacitance Tolerance	±20%(120Hz,+20°C)														
Leakage Current (+20°C,max.)	I=0.04 CV +100 (µA) (After 1 minute with rated working voltage applied.)														
Dissipation Factor (tan δ , at 20°C , 120Hz)	<table border="1"> <tr> <td>Working Voltage(VDC)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>D.F.(%)max.</td> <td>10</td> <td>10</td> <td>10</td> <td>12</td> <td>12</td> <td>12</td> </tr> </table>	Working Voltage(VDC)	160	200	250	350	400	450	D.F.(%)max.	10	10	10	12	12	12
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(+20°C , at 120Hz)															
Low Temperature Characteristics (at 120Hz)	Impedance ratio max														
	<table border="1"> <tr> <td>Working voltage(VDC)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>Z-25°C / +20°C</td> <td>3</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> <td>6</td> </tr> </table>	Working voltage(VDC)	160	200	250	350	400	450	Z-25°C / +20°C	3	3	3	6	6	6
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Z-25°C / +20°C	3	3	3	6	6	6									
Load Life	Test condition Duration time :As right Ambient temperature :+105°C Applied voltage :Rated DC working voltage														
	<table border="1"> <thead> <tr> <th>φ D</th> <th>Life (hours)</th> </tr> </thead> <tbody> <tr> <td>8 φ</td> <td>8000</td> </tr> <tr> <td>≥ 10 φ</td> <td>10000</td> </tr> </tbody> </table>	φ D	Life (hours)	8 φ	8000	≥ 10 φ	10000								
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8 φ	8000														
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Shelf Life	Test condition Duration time :1000 Hrs Ambient temperature :+105°C Applied voltage :None														
	After test requirement at +20°C:Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.														

Multiplier for Ripple Current vs. Frequency

Frequency(Hz)	120	1K	10K	10K ≤
Multiplier	1.0	1.5	1.70	1.90

Diagram of Dimensions:(unit:mm)



D ψ	8	10	13	16	18
F	3.5	5.0	5.0	7.5	7.5
d ψ	0.5	0.6	0.6	0.8	0.8

Radial

CapXon FL Series

Case Size

φ D×L(mm)

WV(SV) Cap(μF)	160 (200)		200 (250)		250 (300)		350 (400)		400 (450)		450 (500)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1.0							8X11.5	80	10X12.5	85	10X12.5	90
2.2							10X12.5	85	10X12.5	90	10X12.5	95
3.3					8X11.5	80	10X12.5	90	10X16	100	10X16	110
4.7					10X12.5	105	10X16	105	10X20	115	10X20	125
6.8			10X12.5	105	10X12.5	110	10X16	115	10X20	125	10X20	135
10	10X16	125	10X16	125	10X16	140	10X20	150	13X20	170	13X20	185
22	10X20	200	10X20	200	13X20	200	13X20	260	13X25	270	16X21	290
33	10X20	250	13X20	260	13X20	320	13X25	360	16X25	370	16X25	390
47	13X20	300	13X20	390	13X25	390	16X25	430	16X31.5	470	18X31.5	480
68	13X20	470	16X21	470	16X25	520	18X25	560	18X31.5	580	18X41	630
100	16X21	580	16X25	630	16X31.5	680	18X35.5	700	18X41	790	18X45	850
150	16X25	690	18X25	840	18X35.5	860	18X45	960				
220	18X31.5	980	18X35.5	1050	18X45	1130						
330	18X41	1250										

Ripple Current (mA, rms) at 105°C 120Hz