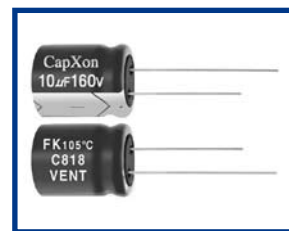


FK Series Long Life for ballast 105°C

Features

- ◆ Specially designed for electronic ballast and energy-save lamp
- ◆ Load life 6000~8000 hrs at 105°C
- ◆ Safety vent construction design.
- ◆ For detail specifications, please refer to Engineering Bulletin NO. E167
- ◆ RoHS Compliant



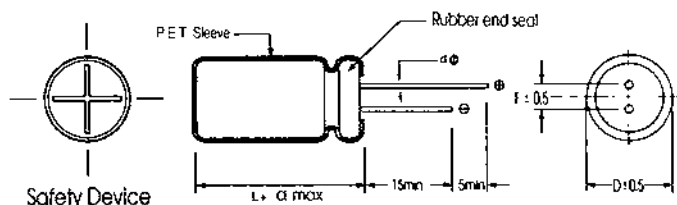
Specifications

Item	Performance Characteristics																				
Operating Temperature Range	-25~+105℃																				
Rated Voltage Range	160~450 VDC																				
Capacitance Range	1 to 330 μ F																				
Capacitance Tolerance	± 20%(120Hz, +20℃)																				
Leakage Current (+20℃, max.)	I ≤0.04 CV +100 (μ A)After 1 minute with rated working voltage applied.																				
Dissipation Factor (tan δ , at 20℃ , 120Hz)	<table><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
	Working Voltage(VDC)	160	200	250	350	400	450														
D.F.(%)max.	10	10	10	12	12	12															
Low Temperature Characteristics (at 120Hz)	Impedance ratio max																				
	<table><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℃ / Z+20℃</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℃ / Z+20℃	3	3	3	6	6	6
Working voltage(VDC)	160	200	250	350	400	450															
Z-25℃ / Z+20℃	3	3	3	6	6	6															
Load Life	Test condition																				
	Duration time :As right																				
	Ambient temperature :+105℃																				
	Applied voltage :Rated DC working voltage																				
	After test requirement at +20℃																				
	Capacitance change : with ± 20% of the initial measured value																				
	Dissipation factor : ≤ 200% of the initial specified value																				
	Leakage current : ≤ The initial specified value																				
							<table><tr><td>D φ</td><td>Life (hours)</td></tr><tr><td>8 φ</td><td>6000</td></tr><tr><td>≧ 10 φ</td><td>8000</td></tr></table>	D φ	Life (hours)	8 φ	6000	≧ 10 φ	8000								
D φ	Life (hours)																				
8 φ	6000																				
≧ 10 φ	8000																				
Shelf Life	Test condition																				
	Duration time :1000Hrs																				
	Ambient temperature :+105℃																				
	Applied voltage :None																				
	After test requirement at +20℃: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 φ	8	10	13	16	18
F	3.5	5.0	5.0	7.5	7.5
d φ	L < 20 0.5	L ≥ 20 0.6	0.6	0.8	
α	D < 18 1.5	D = 18 L < 35.5 1.5	L ≥ 35.5 2.0	D > 18 2.0	

Case Size

φ DxL(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	75	8X11.5	65	8X11.5	85
2.2					8X11.5	70	8X11.5	80	8X11.5	85	10X12.5	90
3.3					8X11.5	75	10X12.5	85	10X12.5	95	10X16	105
4.7			8X11.5	80	10X12.5	100	10X12.5	100	10X16	110	10X16	115
6.8			8X11.5	100	10X12.5	105	10X16	110	10X16	115	10X20	125
10	10X12.5	105	10X12.5	115	10X16	130	10X20	140	10X20	160	13X20	175
22	10X16	170	10X16	170	10X20	190	13X20	245	13X20	230	16X21	275
33	10X20	235	10X20	245	13X20	305	13X25	340	13X25	310	16X25	370
47	13X20	285	13X20	370	13X25	370	16X25	410	16X31.5	445	18X25	455
68	13X20	445	13X 25	425	16X25	495	18X25	530	18X31.5	550	18X31.5	600
100	16X21	550	16X25	600	16X31.5	645	18X35.5	665	18X41	750		
150	16X25	655	16X31.5	825	18X31.5	775						
220	18X31.5	875	18X31.5	1000								
330	18X35.5	1190										

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

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