

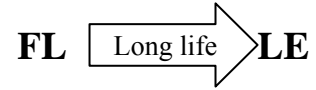
# CapXon

# LE Series

**Load life: 105°C 10000~15000 hours**

## Features

- ◆ Ultra Long life
- ◆ For LED lighting
- ◆ ROHS compliant



## Specifications

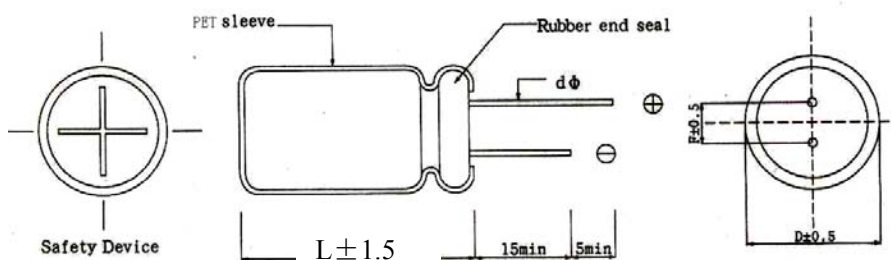
Item	Performance Characteristics			
Operating Temperature Range	-25 to +105°C			
Rate voltage Range	160 to 400VDC			
Capacitance Tolerance	±20%(120Hz,+20°C)			
Leakage Current(+20°C,max.)	(CV≤1000)	(CV > 1000)	After 1 minute with rated working voltage applied. C:: rated Capacitance (μF), V: working voltage(V)	
Dissipation Factor(tanδ) (+20°C, at 120Hz)	Less than the value under table			
	Cap(μF)/W.V.(V)	160~400		
Low Temperature Characteristics (120Hz)	Impedance ratio max.			
	Rated voltage(V)	<250	≥250	
	Z-25°C/Z+20°C	3	6	
Load Life	Test condition			
	Duration time	:As right	6.3X11,8X9,10X9	10000hours
	Ambient temperature	:+105°C	8X11.5,10X12.5	12000hours
	Applied voltage	:Rated DC working voltage	10X16 or more	15000hours
After test requirement at +20°C				
Capacitance change	: Within±30% of the initial measured value			
Dissipation factor	: Not more than 300% of the initial specified value			
Leakage current	: Not more than The initial specified value			
Shelf Life	Test condition			
	Duration time	:1000Hrs		
	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	100K	
Coefficient	1~5.6uF	1.0	1.6	1.8	2.0
	6.8~18uF	1.0	1.5	1.7	1.9
	22~33uF	1.0	1.4	1.6	1.8

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$\phi D$	6.3	8	10
F	2.5	3.5	5.0
$\phi d$	0.5	0.5	0.6

## Case size

WV(V) Cap(uF)	160		200		400	
	Size	Ripple	Size	Ripple	Size	Ripple
1					6.3x11	24
1.2					8x9	28
1.5					8x9	30
1.8					8x9	33
2.2			6.3x11	36	8x9	36
2.7					8x11.5	40
3.3			6.3x11	42	8x11.5	43
3.9					10x9	47
4.7			6.3x11	49	10x12.5	48
5.6	6.3x11	52	8x9	56		
6.8			8x9	62	10x16	85
8.2			8x9	66		
10	8x9	70	8x11.5	80		
12			10x9	88		
15	8x11.5	92				
	10x9	95				
18			10x12.5	113		
22	10x12.5	121				
27			10x16	149		
33	10x16	158				

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