

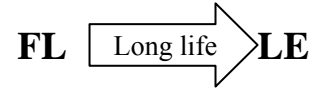
CapXon

LE Series

Load life: 105°C 10000~15000 hours

Features

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

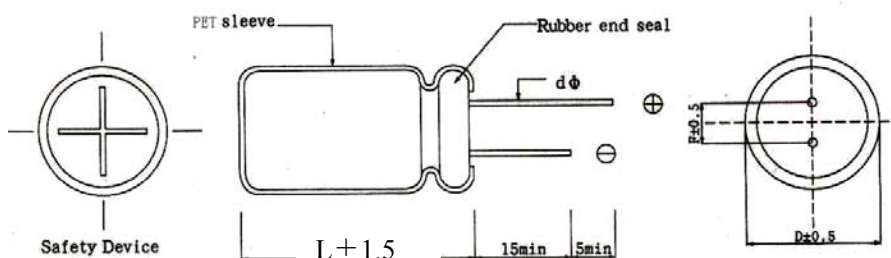


Specifications

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
	Ambient temperature	:+105°C	8X11.5,10X12.5
	Applied voltage	:Rated DC working voltage	10X16 or more
	After test requirement at +20°C		10000hours
	Capacitance change	: Within±30% of the initial measured value	12000hours
	Dissipation factor	: Not more than 300% of the initial specified value	15000hours
	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
	6.8~18uF	1.0	1.5	1.7
	22~33uF	1.0	1.4	1.6



ϕD	6.3	8	10
F	2.5	3.5	5.0
ϕd	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	43
3.3			6.3x11	42	8x11.5	47
					10x9	48
3.9					10x12.5	57
4.7			6.3x11	49	10x12.5	61
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