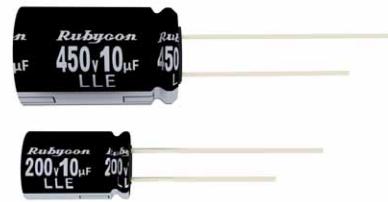


## LLE SERIES

Load Life: 105°C 12000~20000 hours

•For LED Lighting.



## ◆SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	−40~+105°C				−25~+105°C					
Rated Voltage Range	160~400Vdc				450Vdc					
Capacitance Tolerance	±20% (20°C, 120Hz)									
Leakage Current(MAX)	CV≤1000		CV>1000		I=Leakage Current(μA)					
	I=0.1CV+40μA (1 minute)		I=0.04CV+100μA (1 minute)		C=Capacitance(μF)					
	I=0.03CV+15μA (5 minutes)		I=0.02CV+25μA (5 minutes)		V=Rated Voltage(Vdc)					
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc)	160	200	250	400	450				
	tanδ	0.24	0.24	0.24	0.24	0.24				
Endurance	After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.									
	Capacitance Change		Within ±30% of the initial value.							
	Dissipation Factor		Not more than 300% of the specified value.							
	Leakage Current		Not more than the specified value.							
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc) 160 200 250 400 450 (120Hz)									
	Z(-25°C)/Z(20°C) 3 3 3 6 6									
	Z(-40°C)/Z(20°C) 8 8 8 10 —									

## ◆MULTIPLIER FOR RIPPLE CURRENT

160~400Vdc

450Vdc

Frequency (Hz)		120	1k	10k	100k≤
Coefficient	1~5.6μF	1.0	1.6	1.8	2.0
	6.8~18μF	1.0	1.5	1.7	1.9
	22~33μF	1.0	1.4	1.6	1.8

Frequency (Hz)		120	1k	10k	100k≤
Coefficient	4.7~15μF	0.3	0.6	0.9	1.0
	22~68μF	0.4	0.7	0.9	1.0

## ◆OPTION

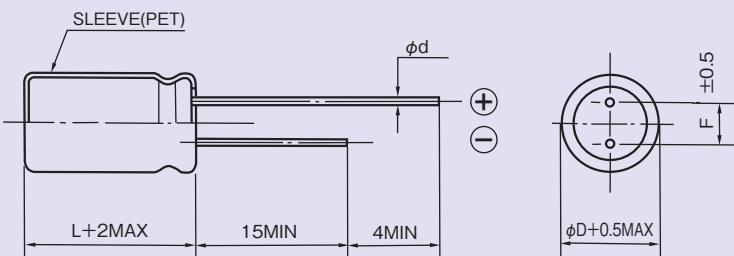
Code
PET Sleeve EFC

## ◆PART NUMBER

□□□      LLE      □□□□□      M      □□□      □□      D×L  
 Rated Voltage    Series    Capacitance    Capacitance Tolerance    Option    Lead Forming    Case Size

## ◆DIMENSIONS

(mm)



φD	6.3	8	10	12.5	16	18
φd	0.5		0.6		0.8	
F	2.5	3.5	5		7.5	

## ◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (mA r.m.s., 105°C)		Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (mA r.m.s., 105°C)	
			120Hz	100kHz				120Hz	100kHz
160	5.6	6.3×11	52	104	400	1	6.3×11	24	48
	10	8×9	70	133		1.2	8×9	28	56
	15	8×11.5	92	174		1.5	8×9	30	60
		10×9	95	180		1.8	8×9	33	66
	22	10×12.5	121	217		2.2	8×9	36	72
	33	10×16	158	284			8×11.5	40	80
200	2.2	6.3×11	36	72		2.7	8×11.5	43	86
	3.3	6.3×11	42	84		3.3	8×11.5	47	94
	4.7	6.3×11	49	98			10×9	48	96
	5.6	8×9	56	112		3.9	10×12.5	57	114
	6.8	8×9	62	117		4.7	10×12.5	61	122
	8.2	8×9	66	125		6.8	10×16	85	161
	10	8×11.5	80	152		4.7	10×16	54	180
	12	10×9	88	167			10×20	66	220
	18	10×12.5	113	214		6.8	10×20	84	280
	27	10×16	149	268		8.2	10×20	84	280
250	1.8	6.3×11	33	66		10	12.5×20	135	450
	2.2	6.3×11	36	72		15	12.5×25	180	600
	3.3	6.3×11	42	84		22	12.5×25	240	600
	4.7	8×9	53	106			16×20	292	730
	5.6	8×11.5	62	124		33	16×25	392	980
	6.8	8×11.5	68	129			18×20	312	780
	8.2	10×9	76	144		47	18×25	480	1200
	10	10×12.5	90	171		68	18×31.5	520	1300
	12	10×12.5	97	184					
	18	10×16	127	241					

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