

LEX SERIES
Load Life: 125°C 4000~5000 hours

*For LED Lighting.

 RoHS
compliance

◆SPECIFICATIONS

Items	Characteristics																			
Category Temperature Range	-40~+125°C																			
Rated Voltage Range	160~400Vdc																			
Capacitance Tolerance	±20% (20°C, 120Hz)																			
Leakage Current(MAX)	<table border="1"> <tr> <th>CV ≤ 1000</th> <th>CV > 1000</th> </tr> <tr> <td>I = 0.1CV + 40µA (1 minute)</td> <td>I = 0.04CV + 100µA (1 minute)</td> </tr> <tr> <td>I = 0.03CV + 15µA (5 minutes)</td> <td>I = 0.02CV + 25µA (5 minutes)</td> </tr> </table>	CV ≤ 1000	CV > 1000	I = 0.1CV + 40µA (1 minute)	I = 0.04CV + 100µA (1 minute)	I = 0.03CV + 15µA (5 minutes)	I = 0.02CV + 25µA (5 minutes)	I = Leakage Current (µA) C = Capacitance (µF) V = Rated Voltage (Vdc)												
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Dissipation Factor(MAX) (tanδ)	<table border="1"> <tr> <th>Rated Voltage (Vdc)</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> <th>(20°C, 120Hz)</th> </tr> <tr> <td>tanδ</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> <td></td> </tr> </table>		Rated Voltage (Vdc)	160	200	250	400	(20°C, 120Hz)	tanδ	0.24	0.24	0.24	0.24							
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tanδ	0.24	0.24	0.24	0.24																
Endurance	After applying rated voltage with rated ripple current for specified time at 125°C, the capacitors shall meet the following requirements.																			
	<table border="1"> <tr> <th>Capacitance Change</th> <td>Within ±30% of the initial value.</td> </tr> <tr> <th>Dissipation Factor</th> <td>Not more than 300% of the specified value.</td> </tr> <tr> <th>Leakage Current</th> <td>Not more than the specified value.</td> </tr> </table>	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.	<table border="1"> <tr> <th>Case Size</th> <th>Life Time (hrs)</th> </tr> <tr> <td>6.3×11, 8×9, 10×9</td> <td>4000</td> </tr> <tr> <td>8×11.5, 10×12.5, 10×16</td> <td>5000</td> </tr> </table>	Case Size	Life Time (hrs)	6.3×11, 8×9, 10×9	4000	8×11.5, 10×12.5, 10×16	5000						
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <th>Rated Voltage (Vdc)</th> <th>160</th> <th>200</th> <th>250</th> <th>400</th> <th>(120Hz)</th> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> <td></td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>8</td> <td>8</td> <td>10</td> <td>12</td> <td></td> </tr> </table>		Rated Voltage (Vdc)	160	200	250	400	(120Hz)	Z(-25°C)/Z(20°C)	3	3	6	6		Z(-40°C)/Z(20°C)	8	8	10	12	
	Rated Voltage (Vdc)	160	200	250	400	(120Hz)														
	Z(-25°C)/Z(20°C)	3	3	6	6															
Z(-40°C)/Z(20°C)	8	8	10	12																

◆MULTIPLIER FOR RIPPLE CURRENT

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

◆OPTION

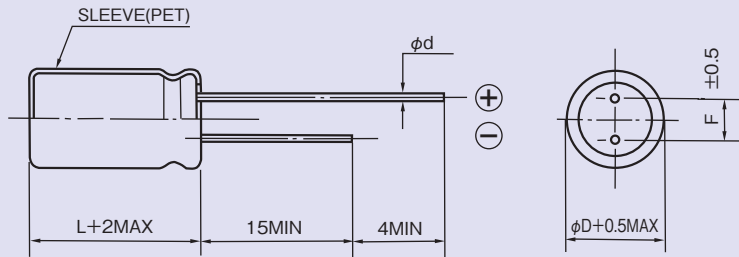
	Code
PET Sleeve	EFC

◆PART NUMBER

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

◆ **DIMENSIONS**

(mm)



ϕD	6.3	8	10
ϕd	0.5	0.6	
F	2.5	3.5	5

◆ **STANDARD SIZE**

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (mA r.m.s., 125°C)	
			120Hz	100kHz
160	5.6	6.3×11	52	104
	10	8×9	70	133
	15	8×11.5	92	174
		10×9	95	180
	22	10×12.5	121	217
	33	10×16	158	284
200	2.2	6.3×11	36	72
	3.3	6.3×11	42	84
	4.7	6.3×11	49	98
	5.6	8×9	56	112
	6.8	8×9	62	117
	8.2	8×9	66	125
	10	8×11.5	80	152
	12	10×9	88	167
	18	10×12.5	113	214
	27	10×16	149	268

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (mA r.m.s., 125°C)	
			120Hz	100kHz
250	1.8	6.3×11	33	66
	2.2	6.3×11	36	72
	3.3	6.3×11	42	84
	4.7	8×9	53	106
	5.6	8×11.5	56	112
	6.8	8×11.5	68	129
	8.2	10×9	76	144
	10	10×12.5	83	157
	12	10×12.5	97	184
	18	10×16	127	241
400	1	6.3×11	24	48
	1.2	8×9	28	56
	1.5	8×9	30	60
	1.8	8×9	33	66
	2.2	8×9	36	72
		8×11.5	40	80
	2.7	8×11.5	43	86
	3.3	8×11.5	47	94
		10×9	48	96
	3.9	10×12.5	57	114
	4.7	10×12.5	61	122
	6.8	10×16	85	161