

# LE Series

105°C Low leakage

105°C 低漏电流

Suit for use in filtering circuit of color TV, computer and home appliance

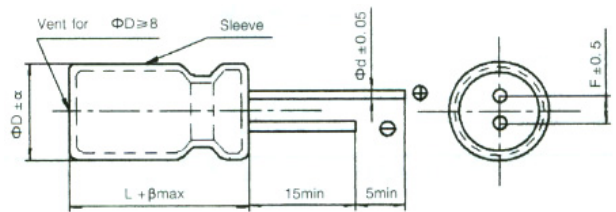
适用于彩电、电脑、功放、仪表仪器、家用电器等电源滤波

## Specifications

Items 項目	Characteristics 特性																											
Operating Temperature Range 使用溫度範圍	-40 +105°C																											
Rated Voltage Range 額定電壓範圍	6.3 to 100VDC																											
Capacitance Tolerance 靜電容量容許差	±20%(M) (at 25°C,120Hz)																											
DC Leakage Current 漏電流	I=0.02CV(Max) (After 3 minutes Application of DC Working Voltage at 25°C)																											
Dissipation Factor (tan δ) 損失角正切(tan δ)	<table border="1"> <tr> <td>WV (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>SV (V)</td> <td>8</td> <td>13</td> <td>20</td> <td>32</td> <td>44</td> <td>63</td> <td>75</td> <td>125</td> </tr> <tr> <td>DF(tan δ)</td> <td>0.22</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> </tr> </table> <p>When the capacitance exceeds 1000 μF, 0.02 shall be added every 1000 μF increase. (at 25°C,120Hz)</p>	WV (V)	6.3	10	16	25	35	50	63	100	SV (V)	8	13	20	32	44	63	75	125	DF(tan δ)	0.22	0.20	0.16	0.14	0.12	0.10	0.10	0.10
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DF(tan δ)	0.22	0.20	0.16	0.14	0.12	0.10	0.10	0.10																				
Load Life(1000 hours at 105°C) 高溫負荷特性 (在 105°C 1000 小时)	Capacitance change      Within 20% initial value DF (tan δ)                Not exceed 150% of initial requirement Leakage current            Not exceed The initial requirement																											
Shelf Life(500 hours at 105°C no voltage applied) 高溫貯存特性 (在 105°C 不加电压 500 小时)	Capacitance change      Within 20% initial value DF (tan δ)                Not exceed 150% of initial requirement Leakage current            Not exceed The initial requirement																											

## Pitch Dimension (mm)

DΦ	10	12	13	16	18	
F	5	5	5	7.5	7.5	10
d	0.6	0.6	0.6	0.8		
α	0.5					
β	+1.5-0.5					



## Temperature Multipliers

Ambient (°C)	65	85	105
Factor	2.23	1.73	1

## Standard Ratings

MV μF	6.3			10			16			25		
	Case size D*L	E.S.R 120Hz 25°C (Ω)	Ripple 120Hz 85°C (mA)	Case size D*L	E.S.R 120Hz 25°C (Ω)	Ripple 120Hz 85°C (mA)	Case size D*L	E.S.R 120Hz 25°C (Ω)	Ripple 120Hz 85°C (mA)	Case size D*L	E.S.R 120Hz 25°C (Ω)	Ripple 120Hz 85°C (mA)
100							10*12	1.59	254	10*16	1.32	277
220	10*12	0.78	272	10*16	0.78	355	10*20	0.72	533	13*20	0.60	590
330	10*16	0.52	388	10*20	0.52	480	13*20	0.48	732	13*25	0.40	754
470	10*20	0.36	507	13*20	0.36	640	13*20	0.33	1040	16*25	0.28	1110
680	13*20	0.25	672	13*20	0.25	848	13*25	0.23	1280	16*30	0.19	1385
1000	13*25	0.17	896	13*25	0.17	1081	16*25	0.14	1700	16*35	0.13	1710
2200	16*25	0.09	1513	16*31	0.09	1680	18*35	0.08	1900	18*40	0.06	2174
3300	16*35	0.06	1902	16*35	0.06	2155	18*40	0.06	2250			
4700	18*35	0.05	2272	18*40	0.05	2560						

MV μF	35			50			63			100		
	Case size D*L	E.S.R 120Hz 25°C (Ω)	Ripple 120Hz 85°C (mA)	Case size D*L	E.S.R 120Hz 25°C (Ω)	Ripple 120Hz 85°C (mA)	Case size D*L	E.S.R 120Hz 25°C (Ω)	Ripple 120Hz 85°C (mA)	Case size D*L	E.S.R 120Hz 25°C (Ω)	Ripple 120Hz 85°C (mA)
33	10*13	4.01	139	10*17	4.01	156	10*17	3.30	210	13*21	3.40	225
47	10*13	2.82	166	10*17	2.82	217	10*20	2.67	240	13*26	2.39	285
68	10*17	1.95	238	10*20	1.95	300	10*20	1.85	328	13*26	1.65	375
100	10*20	1.32	310	13*21	1.32	390	13*26	1.25	420	16*26	1.12	456
220	13*26	0.60	630	16*26	0.60	910	16*32	0.57	930	18*36	0.51	1010
330	13*26	0.40	771	16*32	0.40	986	16*35	0.38	1088	18*40	0.34	1377
470	16*26	0.28	150	16*35	0.28	1249	16*35	0.26	1385			
680	16*32	0.19	1462	16*35	0.19	1870	18*36	0.18	1870			
1000	18*36	0.13	1723	18*40	0.13	2070						