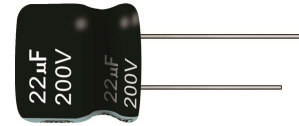




LK Series

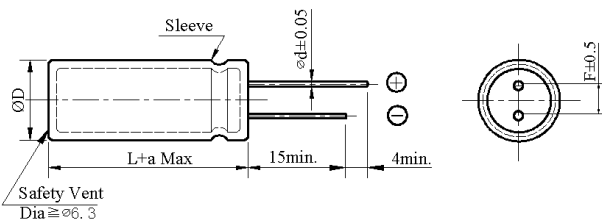
- Downsize and high ripple current
- Load life: 4,000 hours at 105°C



◆ SPECIFICATIONS

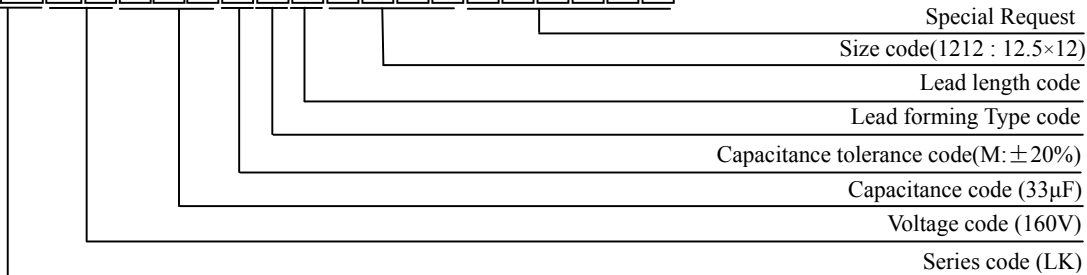
Item	Performance Characteristics						
Category Temperature Range	-25 ~ +105°C						
Working Voltage Range	160 ~ 200Vdc						
Capacitance Range	22 ~ 39 µF						
Capacitance Tolerance	±20% (at 25°C and 120Hz)						
Dissipation Factor (tanδ) (at 25°C, 120Hz)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>160</td> <td>200</td> </tr> <tr> <td>tanδ(Max)</td> <td>0.15</td> <td>0.15</td> </tr> </table>	Rated Voltage (V)	160	200	tanδ(Max)	0.15	0.15
	Rated Voltage (V)	160	200				
tanδ(Max)	0.15	0.15					
The above values should be increased by 0.02 for every additional 1000µF							
Leakage Current	$I=0.03CV+10\mu A$ I : Leakage current (µA) C : Rated capacitance (µF) V : Rated voltage (V) Impress the rated voltage for 2 minutes						
Low Temperature Characteristics Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>160</td> <td>200</td> </tr> <tr> <td>Z(-25°C)/Z(+20°C)</td> <td>3</td> <td>3</td> </tr> </table>	Rated voltage (V)	160	200	Z(-25°C)/Z(+20°C)	3	3
	Rated voltage (V)	160	200				
Z(-25°C)/Z(+20°C)	3	3					
(at 120Hz)							
Endurance	The following requirements shall be satisfied when the capacitor are restored to 25°C after the rated voltage applied for 4,000 hours at 105°C.						
	<table border="1"> <tr> <td>Capacitance change</td> <td>≒ ±20% of the initial value</td> </tr> <tr> <td>Dissipation factor(tanδ)</td> <td>≒ 200% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>≒ specified value</td> </tr> </table>	Capacitance change	≒ ±20% of the initial value	Dissipation factor(tanδ)	≒ 200% of the specified value	Leakage current	≒ specified value
	Capacitance change	≒ ±20% of the initial value					
	Dissipation factor(tanδ)	≒ 200% of the specified value					
Leakage current	≒ specified value						
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25°C after exposing them for 1,000 hours at 105°C without voltage applied.						
	<table border="1"> <tr> <td>Capacitance change</td> <td>≒ ±20% of the initial value</td> </tr> <tr> <td>Dissipation factor(tanδ)</td> <td>≒ 200% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>≒ 200% of the specified value</td> </tr> </table>	Capacitance change	≒ ±20% of the initial value	Dissipation factor(tanδ)	≒ 200% of the specified value	Leakage current	≒ 200% of the specified value
	Capacitance change	≒ ±20% of the initial value					
	Dissipation factor(tanδ)	≒ 200% of the specified value					
Leakage current	≒ 200% of the specified value						
Others	Conforms to JIS-C-5101-4 (1998), characteristic W						

◆ DIMENSIONS (mm)



ΦD	12.5 × 12
ΦD	ΦD + 0.5 Max
Φd	0.6
F	5.0
a	L + 1.0 Max

◆ PART NUMBER SYSTEM(Example : 160V 33µF)





LK Series

◆ Case size & Permissible rated ripple current: (mA rms) at 105°C / 120Hz

Nominal capacitance (uF)	160V		200V	
	ΦD×L	RC	ΦD×L	RC
22			12.5×12	250
27			12.5×12	270
33	12.5×12	180		
39	12.5×12	200		

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Cap(uF)	Frequency (Hz)				
		50/60	120	1K	10K	100K
160 ~ 200	22 ~ 39	0.80	1.00	1.40	1.40	1.40