



# 鋁電解電容器

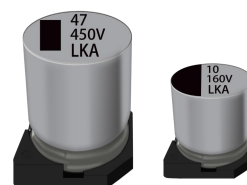
## Aluminum Electrolytic Capacitor

### VLG Series 片式铝电解电容器中高压长寿命产品

High voltage and long life

Aluminum Electrolytic Capacitor of V-chip Type

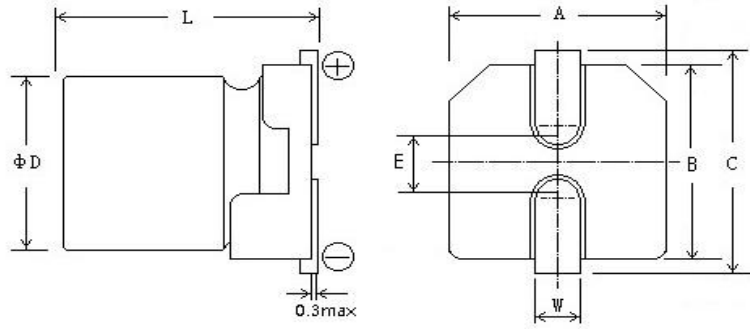
- 体积小, 容量大 105°C 10000 hours
- 性能稳定, 可靠性高, 高纹波电流
- Small size, Large capacity 105°C 10000 hours
- High stability and reliability and with high ripple current capability



### ■ 主要技术性能 Specifications

项目 Items	主要特性 Performance Characteristics					
使用温度范围 Operating Temperature Range	-25~+105°C					
额定电压范围 Rated Voltage Range	160~450V.DC					
标称电容量允许偏差 Capacitance Tolerance	±20%(120Hz, 20°C)					
漏电流 Leakage Current	I ≤ 0.04CV + 100 (μA) 或 3 μA 取较大者, (2 分钟)					
	I ≤ 0.04 CV + 100 (μA) or 3 μA Whichever is greater (after 2 minutes)					
	I=Leakage Current(μ A), C=Capacitance(μ F), V=Rated DC Working Voltage(V)					
损耗角正切值 Dissipation Factor (120Hz 20°C)	WV	160V	200V	250V	400V	450V
	tg δ	0.20	0.20	0.25	0.25	0.30
温度特性 (120Hz) Temperature Characteristics Impedance Ratio (120Hz)	WV	160V	200V	250V	400V	450V
	Z <sub>-25°C</sub> / Z <sub>+20°C</sub>	3	4	4	6	6
耐久性 Load Life (105°C, 10000 hrs)	在 105°C 环境施加额定工作电压 10000 小时后, 电容器的特性符合下表要求。 Rated working voltage of 105 environment after 10000 hours,, capacitor characteristics meet the requirements in the following table.					
	电容量变化率 Capacitance Change	≤ ±30% 初始测量值 ≤ ±30% of Initial measured value				
	漏电流值 Leakage	≤ 初始规定值 ≤ Initial specified value				
	损耗角正切值 Dissipation Factor	≤ 3 倍初始规定值 ≤ 300% of Initial specified value				
高温贮存 Shelf Life (105°C)	试验时间: 1000 小时, 其他项目与耐久性相同。电压应用处理: 根据 JIS C5101-4 4.1 Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1					
额定纹波电流频率系数 Coefficient of Frequency for Rated Ripple Current	Frequency 频率	50Hz	120Hz	1KHz	≥ 10KHz	
	Correction factor 修正系数	0.70	1.00	1.36	1.50	

## ■外形图 Outline Drawing



单位 Unit : mm

Size	φ8×10.5	φ10×10.5	φ10×12.5	φ12.5×13.5	φ12.5×16	φ16×16.5
A±0.2	8.3	10.3	10.3	13.0	13.0	17
B±0.2	8.3	10.3	10.3	13.0	13.0	17
E	3.1	4.5	4.5	5.2	5.2	6.5
L±0.5	10.5	10.5	12.5	13.5	16	16.5
C±0.3	9.0	11.0	11.0	13.8	13.8	18
W	0.8~1.1			1.1~1.4		

## ■ 标称电容量、额定电压、额定纹波电流及外形尺寸对应表 Nominal capacitance, rated voltage, rated ripple current and case size table

WV Cap(μF)	160V		200V		250V		400V		450V	
	ΦD×L (mm)	I (mA)	ΦD×L (mm)	I (mA)	ΦD×L (mm)	I (mA)	ΦD×L (mm)	I (mA)	ΦD×L (mm)	I (mA)
2.2									8×10.5	25
3.3							8×10.5	35	10×10.5	29
4.7							10×10.5	40	10×12.5	31
6.8					8×10.5	35	10×12.5	43	12.5×13.5	36
10	8×10.5	50	8×10.5	50	10×10.5	40	12.5×13.5	50	12.5×16	40
15	10×10.5	55	10×10.5	55	10×12.5	43	12.5×16	56	16×16.5	47
22	10×12.5	60	12.5×13.5	70	12.5×13.5	50	16×16.5	65		
33	12.5×13.5	70	12.5×16	75	16×16.5	65				
47	12.5×16	75	16×16.5	90						
56	16×16.5	90								

I~额定纹波电流 Rated ripple current: (mA, 105°C, 120Hz)