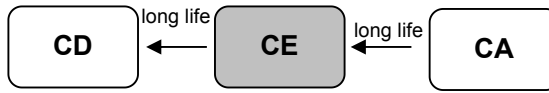


CE Series

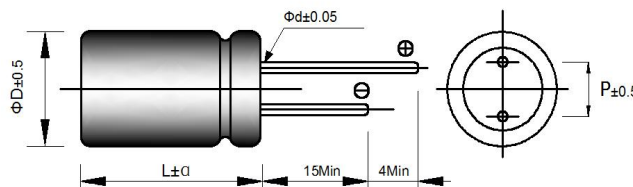
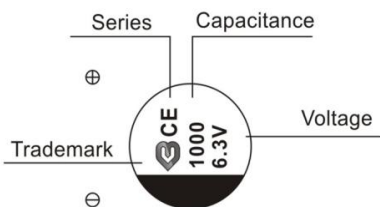
- Low impedance, high ripple current, long life
- Load life of 5000 hours at 105°C
- RoHS Compliant



◆ 规格表 Specifications

项目 Items	特性参数 Characteristics	
使用温度范围 Category Temperature Range	-55 ~ +105°C	
额定工作电压范围 Rated Voltage Range	2.5 ~ 25V	
静电容量允许偏差 Capacitance tolerance	±20%(M) (at 20°C, 120Hz)	
漏电流 Leakage Current	施加额定工作电压2分钟后读数, 小于或等于规格值 (20°C) $I \leq 0.15CV$ (Rated Voltage 2.5~25V) Less than or equal to the specified value. After 2 minute's applied for rated Voltage at 20°C	
损耗角正切值 tanδ Dissipation Factor	Rated voltage (V)	2.5~25
	tanδ (Max.)	0.10
温度特性 Low Temperature Characteristics (Max.Impedance Ratio)	Z(-25°C)/Z(+20°C)	≤1.25
	Z(-55°C)/Z(+20°C)	≤1.25
耐久性 Endurance	105°C施加额定工作电压5000小时, 恢复到20°C后, 产品性能应满足以下要求 The specifications listed below shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 5000 hours at 105°C.	
	Appearance	No significant damage
	Capacitance change	≤ ±20% of the initial value
	D.F.(tanδ)	≤ 150% of the specified value
	ESR	≤ 150% of the specified value
	Leakage current	≤ The specified value
耐湿负荷特性 Damp Heat (Steady State)	在60°C 温度, 湿度90%~95%RH的环境中, 施加额定电压1000小时后, 恢复到20°C后, 产品性能应满足以下要求 The specifications listed below shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 60°C, 90%~95% RH.	
	Appearance	No significant damage
	Capacitance change	≤ ±20% of the initial value
	D.F.(tanδ)	≤ 150% of the specified value
	ESR	≤ 150% of the specified value
	Leakage current	≤ The specified value
浪涌电压特性 (Surge Voltage)	浪涌电压=额定电压* 1.15(V) Surge Voltage=Rated voltage * 1.15(V) 在105°C环境中, 按充电30秒, 放电5分30秒, 连续施加浪涌电压1000次(Rc=1kΩ), 待恢复后测试, 应满足以下要求 The capacitors shall be subjected to 1000 cycles each consisting of charge with the surge voltages specified at 105°C for 30 seconds through a protective resistor (Rc=1kΩ) and discharge for 5 minutes 30 seconds	
	Appearance	No significant damage
	Capacitance change	≤ ±20% of the initial value
	D.F.(tanδ)	≤ 150% of the specified value
	ESR	≤ 150% of the specified value
	Leakage current	≤ The specified value

◆ 外形图 Dimensions (mm)



ΦD	5	6.3	8	10
P	2	2.5	3.5	5
Φd	0.5	0.5	0.6	0.6
d	L < 16mm: 1.0			
	L ≥ 16mm: 2.0			

CE Series

◆ 尺寸与最大纹波电流一览表 Standard Ratings

Rated voltage (V)	Rated capacitance(uF)	Case size $\Phi D * L$ (mm)	ESR(m Ω) at 20°C, 100 KHz	Rated ripple current (mA _{rms} /105°C/100kHz)
2.5 (0E)	680	8*12	10	5289
	820	8*12	10	5289
	1500	10*12	10	5557
4 (0G)	560	8*12	10	5289
	1200	10*12	10	5557
6.3 (0J)	220	5*11	25	2000
	680	8*12	12	4783
	1000	10*12	7	5358
	1500	10*12	10	5557
10 (1A)	270	8*12	13	4386
	560	8*12	10	5557
	1000	8*12	12	4465
	820	10*12	10	6053
	1000	10*12	10	6053
	1500	10*12	10	6053
16 (1C)	270	8*12	13	4820
	470	8*12	13	4820
	560	8*12	13	4820
	560	10*12	12	4900
	1000	10*12	12	4900
20 (1D)	100	8*12	30	2729
	150	10*12	25	2878
25 (1E)	47	8*12	24	2320
	100	8*12	15	4386
	220	8*12	25	3000
	270	10*12	15	4850
	330	10*12	15	4850

◆ 纹波电流修正系数 Rated Ripple Current Coefficient

频率 Frequency(Hz)	120Hz $\leq f < 1$ kHz	1kHz $\leq f < 10$ kHz	10kHz $\leq f < 100$ kHz	100kHz $\leq f < 500$ kHz
系数 Coefficient	0.05	0.30	0.70	1.00