



# 双电层电容器 ELECTRIC DOUBLE LAYER CAPACITORS

FLC

FLC 系列  
SERIES

- Lead series 引线型产品
- Small volume, Larger capacitance 小体积, 大容量
- Long lifetime with over 500,000 duty cycles 高达 500,000 次循环寿命
- Used in Vehicle data recorder, Intelligent instrument,  
Vacuum switch, Digital camera, Motor drive, Clock circuit, UPS, Toy, RAM  
汽车记录仪、智能仪表、真空开关、数码相机、马达驱动、时钟电路、UPS、玩具、RAM
- 65°C 1500hours



## SPECIFICATIONS 性能要求

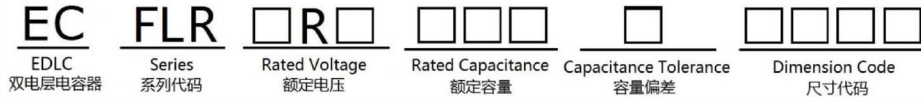
Item 项目	Performance Characteristics 使用特性
Operating Temperature Range 工作温度范围	-40°C ~ +65°C (85°C)
Rated Voltage 额定电压	3.0V.DC (2.6V.DC)
Surge Voltage 浪涌电压	3.16V.DC
Capacitance Tolerance 容量偏差	-10% ~ +30% (+25°C)
DC Leakage Current 漏电流(72h)	After 72 hours application of rated voltage at +25°C 在+25°C下施加额定电压 72 小时后
Characteristics at High and Low Temperatures 高温及低温特性	Capacitance range 容量偏差 Within ±30% of the initial value. ΔC≤初始测量值的 30%
	ESR range 电阻偏差 Less than 200% of the initial value. ΔESR≤初始测量值的 200%
Shelf Life 贮存寿命	The specifications shall be met after storage at upper category temperature for 1500 hours 工作温度上限下无负荷贮存 1500 小时后电容器符合以下的限值
	Capacitance range 容量偏差 Within ±30% of the initial value. ΔC≤初始测量值的 30%
High Temperature Loaded 耐久性测试	The specifications shall be met after rated voltage applied at upper category temperature for 1500 hours 工作温度上限下负载额定电压 1500 小时后电容器符合以下的限定值
	Capacitance range 容量偏差 Within ±30% of the initial value. ΔC≤初始测量值的 30%
Cycle Life 循环寿命	The specifications shall be met after 500,000 cycles at 25°C, cycle of charge/discharge from V <sub>R</sub> to 1/2V <sub>R</sub> +25°C下以恒定电流使电容器在额定电压和半额定电压之间循环充放电 500,000 次
	Capacitance range 容量偏差 Within ±30% of the initial value. ΔC≤初始测量值的 30%
	ESR range 电阻偏差 Less than 200% of the initial value. ΔESR≤初始测量值的 200%



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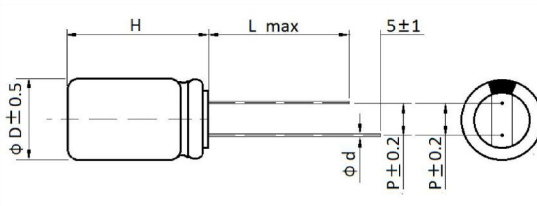
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Part Number 产品型号体系表



※容量偏差 (Capacitance Tolerance) □: M: ±20%; Q: -10%~+30%; V: -10%~+20%; S: -20%~+50%; A: 0%~+20%

Dimensions (mm) 尺寸



D	8	10	12.5
P	3.5	5.0	5.0
d	0.6	0.6	0.6

Standard Size 标准品一览表

Rated Voltage (V.DC)	Rated Capacitance (F)	ESR(mΩ)		Leakage Current (μA/ 72hours)	Maximum Current (A)	Weight (g)	ΦD×H (mm)	Part No.
		AC (1kHz)	DC					
2.7	1	90	180	5	1.1	0.95	8×13	ECFLR2R7105Q0813
	3	45	90	8	3.2	1.50	8×20	ECFLR2R7305Q0820
	5	30	60	10	5.2	2.30	10×20	ECFLR2R7505Q1020
	8	25	50	15	7.7	2.80	10×25	ECFLR2R7805Q1025
	10	23	45	20	9.3	3.55	12.5×20	ECFLR2R7106Q1320
	15	18	35	25	13.3	4.40	12.5×25	ECFLR2R7156Q1325