



双电层电容器 ELECTRIC DOUBLE LAYER CAPACITORS

FLE

FLE 系列
SERIES

- Lead series 引线型产品
- Lower leakage current 低漏电流
- Long lifetime with over 500,000 duty cycles 高达 500,000 次循环寿命
- Used in Intelligent instrument, UPS, Security equipment, Computer storage, Taillight, Small appliances, Flashlight
- 应用于智能仪表、UPS、安防设备、计算机存储器、车尾灯、小家电、手电筒
- 70°C 1500hours



Specifications 性能要求

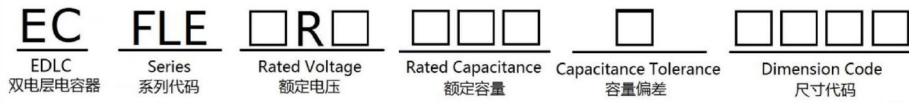
Item 项目	Performance Characteristics 使用特性	
Operating Temperature Range 工作温度范围	-25°C~ +70°C (+85°C)	
Rated Voltage 额定电压	2.5V.DC (2.3V.DC)	
Surge Voltage 浪涌电压	2.7V.DC	
Capacitance Tolerance 容量偏差	-10%~+30% (+ 25°C)	
DC Leakage Current 漏电流(72h)	After 72 hours application of rated voltage at +25°C 在+25°C下施加额定电压 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 _n to 1/2V _n +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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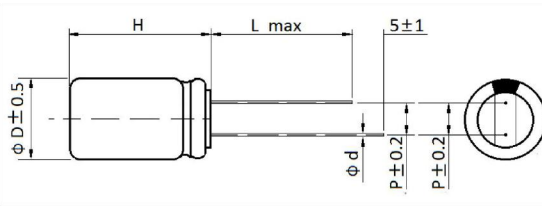
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Part Number 产品型号体系表



※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					
2.5	1	250	500	5	0.83	1.05	8×13	ECFLE2R5105Q0813
	3	120	240	8	2.2	1.65	8×20	ECFLE2R5305Q0820
	5	70	140	10	3.7	2.55	10×20	ECFLE2R5505Q1020
	8	50	100	12	5.6	3.10	10×25	ECFLE2R5805Q1025
	10	45	90	15	6.6	3.85	12.5×20	ECFLE2R5106Q1320
	15	35	70	20	9.1	4.75	12.5×25	ECFLE2R5156Q1325