

## 代码编制规则 Part Number

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
F	C	R	3	K	D	U	1	0	5	K	0	I	1	2	C
电容器类型 Capacitor Type	产品外形 Product Shape	额定电压代码 Rated Voltage Code	系列代码 Series Code		容量代码 Capacitance Code		容量偏差 Capacitance Tolerance		外形 Shape	长度 Length	引线直径 Lead diameter		引线长度 Lead diameter		
FC=薄膜电容器 FC=Film Capacitor	轴向=R Axial=R	1000=3A	CBB129=DU		0.1=104		±5%=J		Circular=O	91=I	1.0=10		45=C		
		1200=3B			0.33=334		±10%=K			135=G	1.2=12		55=D		
		1600=3C			1.0=105		Special=S			155=K					
		2000=3D			10=106					165=L					
		8000=3K													
		15000=4C													
		20000=4D													

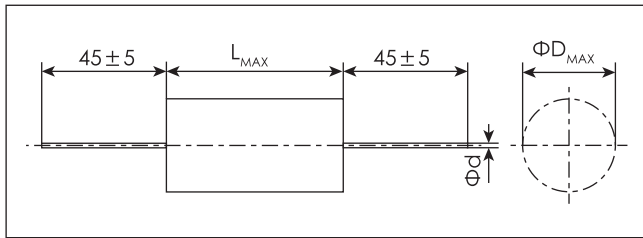
## Features

- Round PET tape package, small size, light weight, high energy storage density
- Small ESR, low internal temperature rise, high dv/dt
- Self-healing performance is excellent, the reliability is high

## Recommended circuit

- Medium and small power induction heating power, medium power plasma power supply
- High voltage pulse dc power supply, high voltage LC power supply, high voltage load switch, and the lightning device
- Partial pressure, double - pressure energy storage and high speed charge and discharge, pulse with inductance combination, smooth energy

## 外形图 Dimensions



## 特点

- 圆形胶带包裹, 体积小, 重量轻, 高储能密度
- ESR小, 内部温升低, dv/dt高
- 自愈性能优异, 中高频特性好, 可靠性高

## 应用线路

- 中小功率感应加热电源, 中功率等离子体电源
- 高压脉冲直流电源, 高压LC电源, 高压负载开关, 避雷器等
- 分压, 倍压储能和高速充放电, 与电感组合形成脉冲, 平滑能量。
- 电子警察闪光灯具专用电容

## 标识 Marking

	1
CBB129	2
0.33μF K 10000V	3
J35F18	4

NO.	项目 Item
1	商标 Brand
2	产品系列 Products series
3	容量、偏差以及额定电压 Capacitance、Tolerance and Rated voltage
4	年度标记 Year code

## 性能特性 Specifications

项目 Item	特性 Characteristics
引用标准 Reference Standard	JB/T 8168 / (GB/T4704-92)
气候类别 Climatic Category	40/70/21
工作温度范围 Operating Temperature Range	-40~+55°C (θ <sub>hotspot</sub> ≤ 70°C)
存储温度范围 Storage Temperature Range	-40~+50°C
额定电压 U <sub>R</sub> Rated Voltage	3KV--100KV <sub>DC</sub>
电容量范围 Capacitance Range	100PF ~ 10μF
电容量偏差 Capacitance Tolerance	± 5%(J), ± 10%(K)
端子与端子电压 U <sub>TT</sub> Voltage Between Terminals	1.2~1.5 × U <sub>R</sub> V <sub>DC</sub> , 10s (20°C)
端子与外壳电压 U <sub>TC</sub> Voltage Between Terminals and Case	>3000 V <sub>AC</sub> , 10s (20°C, 50Hz)
介质损耗角正切 Dielectric Dissipation Factor	0.0002
绝缘电阻 Insulation Resistance	≥ 30000MΩ • μF (20°C, 100V <sub>DC</sub> , 1min)
充放电频率	1~300次/秒
电感量 ESL	5~300nH
预期寿命 Life Expectancy	100000h (U <sub>R</sub> , θ <sub>hotspot</sub> = 55°C)

## 规格标准 Standard Ratings

$U_R$	$C_R$	P/N	ESR	$L_{MAX}$	$D_{MAX}$
(V)	( $\mu$ F)	-	(m $\Omega$ )	(mm)	(mm)
8000	0.33	FCR3KDU334**J***	8	91	40
	1	FCR3KDU105**J***	6	91	66
	10	FCR3KDU106**L***	5	165	88
15000	0.1	FCR4CDU104**J***	8	91	55
	0.3	FCR4CDU304**J***	5	91	73
20000	0.1	FCR4DDU104**K***	8	155	50
	0.2	FCR4DDU204**K***	6	155	68
	0.3	FCR4DDU304**K***	4	155	83

可根据客户要求定制。Customer products are available on request.