

## 代码编制规则 Part Number

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
F	C	S	2	E	I	F	2	2	4	K	C	0	0	1	5	0	0	A	A
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	引线类型 Pin Style	外壳尺寸代码* Dimension Code	引线间距 Pitch P1	引线间距 Pitch P2	引线直径 Lead diameter	图号 Style								
FC=薄膜电容器 FC=Film Capacitor	方型=S Square=S	450=2W	CBB25=IF	0.22=224	± 5%=J	4Pin 5mm=A	阻燃性环氧粉末封装 Flame retardant epoxy resin powder coating	10=10	0=00	0.6=A	Fig1 =1								
		520=5C			± 10%=K	2Pin 5mm=B					15=15	0.8=B	Fig2 =2						
						2Pin 长引线=C				1.0=C	Fig3 =3								
						4pin 4mm=S				1.2=D	Fig4 =4								
						2pin 8.2mm=E				0.5=E	Fig5 =5								
						2pin 9.2mm=D													
						2pin 3.2mm=V													
						2pin 3.5mm=U													
						2pin 4.5mm=T													

## Features

- Metallized polypropylene structure
- Miniaturization design
- Self-healing property
- Low losses.
- Small inherent temperature rise
- High contact reliability
- Flame retardant epoxy resin powder coating (UL 94 V-0)

## 特点

- 金属化聚丙烯膜结构
- 小型化设计
- 自愈性好
- 低功耗
- 内部温升小
- 高可靠性
- 阻燃性环氧粉末包封

## Applications

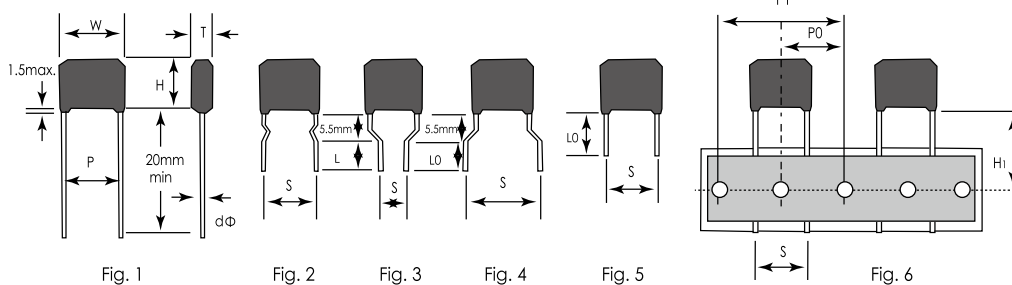
- As intermediate circuit capacitors for SMPS.
- Electronic Ballast, inverter (DC-link, DC-filter and PFC)

## 应用场合

- 用于开关电源, 电子整流器和变频器等中间电路
- 直流滤波 (DC-link, DC-filter 和 PFC)

## 外形图 Dimensions

Unit: mm



## 标识 Marking

	—	1
CBB25	—	2
0.022μF J 500V	—	3
F11	—	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	日期代码 Date code

## 性能特性 Specifications

项目 Item	特性 Characteristics
引用标准 Reference Standard	IEC60384-16
气候类别 Climatic Category	40/105/56
工作温度范围 Operating Temperature Range	-40~+105°C
存储温度范围 Storage Temperature Range	-40~+105°C
额定电压 $U_R$ Rated Voltage	450~520V <sub>DC</sub>
电容量范围 Capacitance Range	0.047~2.2μF
电容量偏差 Capacitance Tolerance	±5%(J), ±10%(K)
端子与端子电压 $U_{TT}$ Voltage Between Terminals	1.5U <sub>NDC</sub> , 10s (20°C)
端子与外壳电压 $U_{TC}$ Voltage Between Terminals and Case	2000V <sub>AC</sub> , 10s (20°C, 50Hz)
损耗角正切 Dissipation Factor	0.001 (20°C, 1KHz)
介质损耗角正切 Dielectric Dissipation Factor	0.0002
绝缘电阻 Insulation Resistance	≥30000MΩ (C ≤ 0.33) at 100V <sub>DC</sub> 1min, 20°C ≥10000MΩ (C > 0.33) at 100V <sub>DC</sub> 1min, 20°C
预期寿命 Life Expectancy	100000 hours (U <sub>R</sub> , θ <sub>hotspot</sub> =70°C)
失效率 Failure Rate	100 FIT

## 规格标准 Standard Ratings

$U_R$	$C_{AP}$	P/N	W	H	T	P	$\hat{I}$	dv/dt	D
(V <sub>DC</sub> )	( $\mu$ F)	-	(mm)	(mm)	(mm)	(mm)	(A)	(V/ $\mu$ s)	(mm)
450	0.068	FCS2WIF683**001000A*	13.0	10.5	5.5	10	27.2	400	0.6
450	0.082	FCS2WIF823**001000A*	13.0	10.5	5.5	10	32.8	400	0.6
450	0.10	FCS2WIF104**001000A*	13.0	10.5	5.5	10	40.0	400	0.6
450	0.12	FCS2WIF124**001000A*	13.0	10.5	6.0	10	48.0	400	0.6
450	0.15	FCS2WIF154**001000A*	13.0	10.5	6.0	10	60.0	400	0.6
450	0.18	FCS2WIF184**001000A*	13.0	10.5	6.0	10	72.0	400	0.6
450	0.22	FCS2WIF224**001000A*	13.0	12.0	6.0	10	88.0	400	0.6
450	0.27	FCS2WIF274**001000A*	13.0	12.0	6.5	10	108.0	400	0.6
450	0.33	FCS2WIF334**001000A*	13.0	13.0	6.5	10	132.0	400	0.6
450	0.39	FCS2WIF394**001000A*	13.0	14.0	7.0	10	156.0	400	0.6
450	0.47	FCS2WIF474**001000A*	13.0	15.0	7.5	10	188.0	400	0.6
450	1.00	FCS2WIF105**001000A*	13.0	18.5	10.5	10	400.0	400	0.6
450	0.22	FCS2WIF224**001500A*	18.0	10.0	5.0	15	55.0	250	0.6
450	0.33	FCS2WIF334**001500A*	18.0	10.5	6.0	15	82.5	250	0.6
450	0.47	FCS2WIF474**001500A*	18.0	12.0	6.0	15	117.5	250	0.6
450	0.56	FCS2WIF564**001500A*	18.0	13.5	6.0	15	140.0	250	0.6
450	0.68	FCS2WIF684**001500A*	18.0	14.5	6.5	15	170.0	250	0.6
450	0.82	FCS2WIF824**001500A*	18.0	15.0	7.5	15	205.0	250	0.6
450	1.00	FCS2WIF105**001500B*	18.0	15.5	8.0	15	250.0	250	0.8
450	1.20	FCS2WIF125**001500B*	18.0	16.0	9.0	15	300.0	250	0.8
450	1.50	FCS2WIF155**001500B*	18.0	17.5	10.0	15	375.0	250	0.8
450	1.80	FCS2WIF185**001500B*	18.0	18.0	11.0	15	450.0	250	0.8
450	2.20	FCS2WIF225**001500B*	18.0	19.0	12.5	15	550.0	250	0.8
520	0.047	FCS2XIF473**001000A*	13.0	10.0	5.0	10	18.8	400	0.6
520	0.056	FCS2XIF563**001000A*	13.0	10.0	5.0	10	22.4	400	0.6
520	0.068	FCS2XIF683**001000A*	13.0	10.5	5.5	10	27.2	400	0.6
520	0.082	FCS2XIF823**001000A*	13.0	10.5	5.5	10	32.8	400	0.6
520	0.10	FCS2XIF104**001000A*	13.0	10.5	5.5	10	40.0	400	0.6
520	0.12	FCS2XIF124**001000A*	13.0	10.5	6.0	10	48.0	400	0.6
520	0.15	FCS2XIF154**001000A*	13.0	11.0	6.5	10	60.0	400	0.6
520	0.18	FCS2XIF184**001000A*	13.0	12.0	7.0	10	72.0	400	0.6
520	0.22	FCS2XIF224**001000A*	13.0	13.5	7.0	10	88.0	400	0.6
520	0.33	FCS2XIF334**001000A*	13.0	16.0	8.0	10	132.0	400	0.6
520	0.27	FCS2XIF274**001500A*	18.0	12.5	6.0	15	67.5	250	0.6
520	0.33	FCS2XIF334**001500A*	18.0	13.0	6.5	15	82.5	250	0.6
520	0.47	FCS2XIF474**001500B*	18.0	15.0	7.0	15	117.5	250	0.6
520	0.56	FCS2XIF564**001500B*	18.0	15.5	8.0	15	140.0	250	0.8
520	0.68	FCS2XIF684**001500B*	18.0	16.5	8.5	15	170.0	250	0.8
520	0.82	FCS2XIF824**001500B*	18.0	17.0	9.0	15	205.0	250	0.8
520	1.00	FCS2XIF105**001500B*	18.0	18.0	10.0	15	250.0	250	0.8
520	1.20	FCS2XIF125**001500B*	18.0	18.5	12.0	15	300.0	250	0.8
520	1.50	FCS2XIF155**001500B*	18.0	20.5	12.5	15	375.0	250	0.8

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