

## 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	D	2	2	4	K	C	0	0	1	5	0	0	A	1	
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	CBB24=ID	0.22=224	± 5%=J ± 10%=K	4Pin 5mm=A	阻燃性环氧粉末包封 Flame retardant epoxy resin powder coating	10=10	0=00	0.6=A	Fig1 =1									
		500=2H				2Pin 5mm=B						15=15	0.8=B	Fig2 =2						
		550=5F				2Pin 长引线=C									1.0=C	Fig3 =3				
		630=J2				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
- 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
- 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

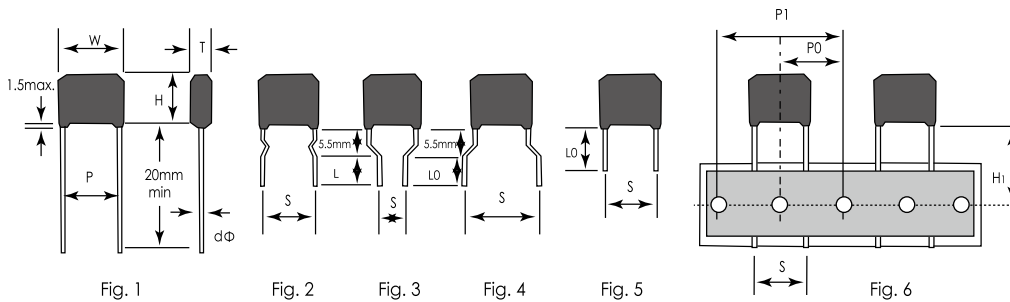
- As intermediate circuit capacitors for SMPS.
- Electronic Ballast, inverter (DC-link, DC-filter and PFC)

## 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
CBB24	——	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	450~630V <sub>DC</sub>
电容量范围 Capacitance Range	0.01~3.3μF
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	2000 V <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 <sub>R</sub>	C <sub>AP</sub>	P/N	W	H	T	P	I	dv/dt	D
(V <sub>DC</sub> )	(μF)	-	(mm)	(mm)	(mm)	(mm)	(A)	(V/us)	(mm)
450	0.10	FCS2WID104**001000A*	13.0	11.0	5.0	10.0	40.0	400	0.6
450	0.12	FCS2WID124**001000A*	13.0	11.0	5.0	10.0	48.0	400	0.6
450	0.15	FCS2WID154**001000A*	13.0	11.0	5.0	10.0	60.0	400	0.6
450	0.18	FCS2WID184**001000A*	13.0	11.5	6.0	10.0	72.0	400	0.6
450	0.22	FCS2WID224**001000A*	13.0	12.0	6.0	10.0	88.0	400	0.6
450	0.27	FCS2WID274**001000A*	13.0	12.5	6.5	10.0	108.0	400	0.6
450	0.33	FCS2WID334**001000A*	13.0	14.0	7.0	10.0	132.0	400	0.6
450	0.39	FCS2WID394**001000A*	13.0	15.0	8.0	10.0	156.0	400	0.6
450	0.47	FCS2WID474**001000A*	13.0	16.5	8.0	10.0	188.0	400	0.6
450	0.56	FCS2WID564**001000A*	13.0	17.5	9.0	10.0	224.0	400	0.6
450	0.68	FCS2WID684**001000A*	13.0	18.5	10.0	10.0	272.0	400	0.6
450	0.82	FCS2WID824**001000A*	13.0	20.5	10.5	10.0	328.0	400	0.6
450	1.00	FCS2WID105**001000A*	13.0	21.5	11.5	10.0	400.0	400	0.6
450	0.10	FCS2WID104**001500A*	18.0	11.0	5.0	15.0	25.0	250	0.6
450	0.12	FCS2WID124**001500A*	18.0	11.0	5.0	15.0	30.0	250	0.6
450	0.15	FCS2WID154**001500A*	18.0	11.0	5.0	15.0	37.5	250	0.6
450	0.18	FCS2WID184**001500A*	18.0	11.0	5.0	15.0	45.0	250	0.6
450	0.22	FCS2WID224**001500A*	18.0	11.0	5.0	15.0	55.0	250	0.6
450	0.33	FCS2WID334**001500A*	18.0	12.0	6.0	15.0	82.5	250	0.6
450	0.39	FCS2WID394**001500A*	18.0	12.5	6.5	15.0	97.5	250	0.6
450	0.47	FCS2WID474**001500A*	18.0	13.5	7.5	15.0	117.5	250	0.6
450	0.56	FCS2WID564**001500B*	18.0	14.0	8.0	15.0	140.0	250	0.8
450	0.68	FCS2WID684**001500B*	18.0	14.5	8.5	15.0	170.0	250	0.8
450	0.82	FCS2WID824**001500B*	18.0	15.5	9.0	15.0	205.0	250	0.8
450	1.00	FCS2WID105**001500B*	18.0	17.0	9.0	15.0	250.0	250	0.8
450	1.20	FCS2WID125**001500B*	18.0	18.5	10.5	15.0	300.0	250	0.8
450	1.50	FCS2WID155**002200B*	25.5	15.0	9.0	22.5	150.0	100	0.8
450	2.20	FCS2WID225**002200B*	25.5	18.0	12.0	22.5	220.0	100	0.8
550	0.10	FCS2YID104**001000A*	13.0	11.0	5.0	10.0	40.0	400	0.6
550	0.12	FCS2YID124**001000A*	13.0	11.0	5.0	10.0	48.0	400	0.6
550	0.15	FCS2YID154**001000A*	13.0	12.0	6.0	10.0	60.0	400	0.6
550	0.18	FCS2YID184**001000A*	13.0	13.0	7.0	10.0	72.0	400	0.6
550	0.22	FCS2YID224**001000A*	13.0	14.5	7.5	10.0	88.0	400	0.6
550	0.27	FCS2YID274**001000A*	13.0	16.5	7.5	10.0	108.0	400	0.6
550	0.33	FCS2YID334**001000A*	13.0	17.5	8.5	10.0	132.0	400	0.6
550	0.39	FCS2YID394**001000A*	13.0	18.0	9.5	10.0	156.0	400	0.6
550	0.47	FCS2YID474**001000A*	13.0	19.0	10.0	10.0	188.0	400	0.6
550	0.10	FCS2YID104**001500A*	18.0	12.0	6.0	15.0	25.0	250	0.6
550	0.12	FCS2YID124**001500A*	18.0	12.0	6.0	15.0	30.0	250	0.6
550	0.15	FCS2YID154**001500A*	18.0	12.0	6.0	15.0	37.5	250	0.6
550	0.18	FCS2YID184**001500A*	18.0	12.0	6.0	15.0	45.0	250	0.6
550	0.22	FCS2YID224**001500A*	18.0	12.0	6.0	15.0	55.0	250	0.6
550	0.27	FCS2YID274**001500A*	18.0	12.5	6.5	15.0	67.5	250	0.6
550	0.33	FCS2YID334**001500A*	18.0	13.5	7.5	15.0	82.5	250	0.6
550	0.47	FCS2YID474**001500A*	18.0	14.5	8.5	15.0	117.5	250	0.6
550	0.56	FCS2YID564**001500B*	18.0	16.5	8.5	15.0	140.0	250	0.8
550	0.68	FCS2YID684**001500B*	18.0	17.5	9.0	15.0	170.0	250	0.8
550	0.82	FCS2YID824**001500B*	18.0	19.0	10.0	15.0	205.0	250	0.8
550	1.00	FCS2YID105**001500B*	18.0	20.5	11.0	15.0	250.0	250	0.8
550	1.20	FCS2YID125**002200B*	25.5	17.5	9.0	22.5	120.0	100	0.8
550	1.50	FCS2YID155**002200B*	25.5	19.5	10.5	22.5	150.0	100	0.8
550	2.20	FCS2YID225**002200B*	25.5	22.0	12.0	22.5	220.0	100	0.8
630	0.10	FCSJ2ID104**001000A*	13.0	12.0	6.0	10.0	45.0	450	0.6
630	0.12	FCSJ2ID124**001000A*	13.0	13.0	7.0	10.0	54.0	450	0.6
630	0.15	FCSJ2ID154**001000A*	13.0	13.0	7.0	10.0	67.5	450	0.6
630	0.18	FCSJ2ID184**001000A*	13.0	15.0	8.0	10.0	81.0	450	0.6
630	0.10	FCSJ2ID104**001500A*	18.0	12.0	6.0	15.0	30.0	300	0.6
630	0.12	FCSJ2ID124**001500A*	18.0	12.0	6.0	15.0	36.0	300	0.6
630	0.15	FCSJ2ID154**001500A*	18.0	12.0	6.0	15.0	45.0	300	0.6
630	0.18	FCSJ2ID184**001500A*	18.0	13.0	7.0	15.0	54.0	300	0.6
630	0.22	FCSJ2ID224**001500A*	18.0	13.0	7.0	15.0	66.0	300	0.6
630	0.27	FCSJ2ID274**001500A*	18.0	14.0	7.5	15.0	81.0	300	0.6

## 规格标准 Standard Ratings

$U_R$	$C_{AP}$	P/N	W	H	T	P1	$\hat{i}$	dv/dt	D
(V <sub>DC</sub> )	( $\mu$ F)	-	(mm)	(mm)	(mm)	(mm)	(A)	(V/ $\mu$ s)	(mm)
630	0.33	FCSJ2ID334**001500A*	18.0	14.5	8.0	15.0	99.0	300	0.6
630	0.39	FCSJ2ID394**001500A*	18.0	15.5	8.5	15.0	117.0	300	0.6
630	0.47	FCSJ2ID474**001500A*	18.0	16.5	9.0	15.0	141.0	300	0.6
630	0.56	FCSJ2ID564**001500B*	18.0	17.0	10.0	15.0	168.0	300	0.8
630	0.68	FCSJ2ID684**001500B*	18.0	18.5	11.5	15.0	204.0	300	0.8
630	0.82	FCSJ2ID824**001500B*	18.0	20.0	11.5	15.0	246.0	300	0.8
630	1.00	FCSJ2ID105**001500B*	18.0	22.0	13.0	15.0	300.0	300	0.8
630	1.20	FCSJ2ID125**002200B*	25.5	19.0	11.0	22.5	180.0	150	0.8
630	1.50	FCSJ2ID155**002200B*	25.5	22.0	12.0	22.5	225.0	150	0.8
630	1.80	FCSJ2ID185**002200B*	25.5	23.0	13.0	22.5	270.0	150	0.8
630	2.20	FCSJ2ID225**002200B*	25.5	25.0	15.0	22.5	330.0	150	0.8

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