

## 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
F	C	S	3	A	I	A	2	7	3	K	C	E	C	1	5	0	0	B
电容器类型 Capacitor Type	产品外形 Product Shape	额定电压代码 Rated Voltage Code (AC)	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						
FC=Film Capacitor	Square=S	1000=3A	CBB164=IA			0.0032=322	±5%=J	4Pin, 5mm=A	18*16*10=EC	37.5=37	20.3=20	0.6=A						
		1250=E3				0.027=273	±10%=K	2Pin, 5mm=B		52.5=52	0=00	0.8=B						
		1600=3C				0.01=103	4pin, 4mm=S	15=15		10.2=10	1.0=C							
		2000=3D				0.1=104	2pin, 8.2mm=E	10=10			1.2=D							
							2pin, 9.2mm=D	22.5=22			0.5=E							
							2pin, 长引线=C	27.5=27										
							2pin, 3.2mm=V											
		2pin, 3.5mm=U																
2pin, 4.5mm=T																		

## Features

- High ripple current
- Self-healing property
- Low losses.
- High dv/dt
- High contact reliability
- Suitable for high frequency applications

## 特点

- 高电流
- 自愈性好
- 低功耗
- 高dv/dt
- 高可靠性
- 适用于高频应用

## Applications

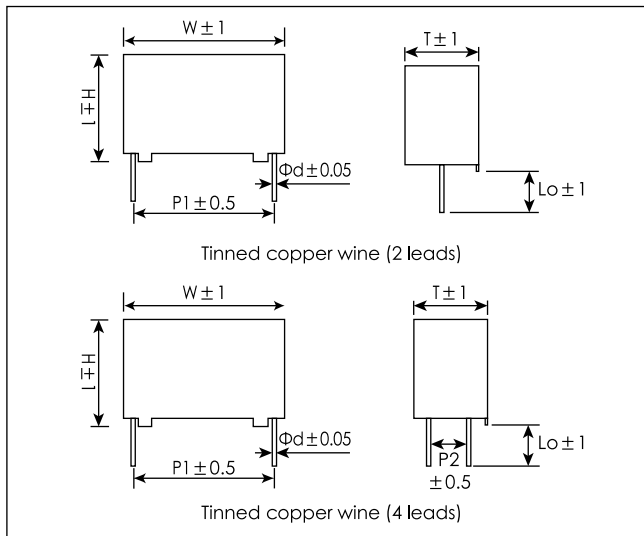
- Monitors (S-correction and flyback tuning)
- ballasts and compact lamps
- snubber and silicon-controlled rectifier
- High frequency, DC and pulse circuits

## 应用场合

- 显示器 (S校正和行逆程波形)
- 镇流器和紧凑型灯具
- 吸收和整流电路
- 电源供应

## 外形图 Dimensions

Unit: mm



## 标识 Marking

	—	1
CBB164	—	2
0.022μF J 1000V	—	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	IEC 60384-17
气候类别 Climatic Category	40/105/56
工作温度范围 Operating Temperature Range	-40~+105°C ( $\theta_{\text{hotspot}} \leq 105^\circ\text{C}$ ) $\theta_{\text{hotspot}} = 85^\circ\text{C} \sim 105^\circ\text{C}$ : decreasing factor 1.35% per °C for $U_R(\text{dc})$
存储温度范围 Storage Temperature Range	-40~+105°C
额定电压 $U_R$ Rated Voltage	1000~2000V <sub>DC</sub>
电容量范围 Capacitance Range	0.00015~0.068μF
电容量偏差 Capacitance Tolerance	±5%(J), ±10%(K)
端子与端子电压 $U_{TT}$ Voltage Between Terminals	$1.5 \times U_{\text{NDC}}$ , 10s (20 °C)
端子与外壳电压 $U_{TC}$ Voltage Between Terminals and Case	2000 V <sub>AC</sub> , 10 s (20 °C, 50 Hz)
损耗角正切 Dissipation Factor	≤0.0005 (20 °C, 1KHz)
介质损耗角正切 Dielectric Dissipation Factor	0.0002
绝缘电阻 Insulation Resistance	$IR \cdot C \geq 50000 \text{ S}$ at 100V <sub>DC</sub> 1 minute at +25 °C
预期寿命 Life Expectancy	100000 hours ( $U_R, \theta_{\text{hotspot}} = 70^\circ\text{C}$ )
失效率 Failure Rate	100 FIT

## 规格标准 Standard Ratings

U <sub>R</sub>	C <sub>R</sub>	P/N	dV/dt	i	W	H	T	P <sub>1</sub>	D
(V)	(μF)	-	(V/μs)	(A)	(mm)	(mm)	(mm)	(mm)	(mm)
1000	0.0033	FCS3AIA332**E21500B	28000	92.4	18	11	5	15.0	0.8
	0.0039	FCS3AIA392**E21500B	28000	109.2	18	11	5	15.0	0.8
	0.0047	FCS3AIA472**E21500B	28000	131.6	18	11	5	15.0	0.8
	0.0056	FCS3AIA562**E21500B	28000	156.8	18	11	5	15.0	0.8
	0.0068	FCS3AIA682**E21500B	28000	190.4	18	11	5	15.0	0.8
	0.0082	FCS3AIA822**E21500B	28000	229.6	18	11	5	15.0	0.8
	0.01	FCS3AIA103**E51500B	28000	280.0	18	12	6	15.0	0.8
	0.012	FCS3AIA123**E51500B	28000	336.0	18	12	6	15.0	0.8
	0.015	FCS3AIA153**E71500B	28000	420.0	18	13.5	7.5	15.0	0.8
	0.018	FCS3AIA183**E81500B	28000	504.0	18	14.5	8.5	15.0	0.8
	0.022	FCS3AIA223**E81500B	28000	616.0	18	14.5	8.5	15.0	0.8
	0.027	FCS3AIA273**EC1500B	28000	756.0	18	16	10	15.0	0.8
	0.033	FCS3AIA333**B22200B	11000	363.0	26	16.5	7	22.5	0.8
	0.039	FCS3AIA393**B32200B	11000	429.0	26	17	8.5	22.5	0.8
	0.047	FCS3AIA473**B42200B	11000	517.0	26	19	10	22.5	0.8
0.056	FCS3AIA563**B42200B	11000	616.0	26	19	10	22.5	0.8	
0.068	FCS3AIA683**B52200B	11000	748.0	26	20	11	22.5	0.8	
1250	0.0022	FCSE3IA222**E21500B	30000	66.0	18	11	5	15.0	0.8
	0.0027	FCSE3IA272**E21500B	30000	81.0	18	11	5	15.0	0.8
	0.0033	FCSE3IA332**E51500B	30000	99.0	18	12	6	15.0	0.8
	0.0039	FCSE3IA392**E51500B	30000	117.0	18	12	6	15.0	0.8
	0.0047	FCSE3IA472**E71500B	30000	141.0	18	13.5	7.5	15.0	0.8
	0.0056	FCSE3IA562**E71500B	30000	168.0	18	13.5	7.5	15.0	0.8
	0.0068	FCSE3IA682**E81500B	30000	204.0	18	14.5	8.5	15.0	0.8
	0.0082	FCSE3IA822**EC1500B	30000	246.0	18	16	10	15.0	0.8
	0.01	FCSE3IA103**B22200B	11000	110.0	26	16.5	7	22.5	0.8
	0.012	FCSE3IA123**B22200B	11000	132.0	26	16.5	7	22.5	0.8
	0.015	FCSE3IA153**B22200B	11000	165.0	26	16.5	7	22.5	0.8
	0.018	FCSE3IA183**B22200B	11000	198.0	26	16.5	7	22.5	0.8
	0.022	FCSE3IA223**B32200B	11000	242.0	26	17	8.5	22.5	0.8
	0.027	FCSE3IA273**B42200B	11000	297.0	26	19	10	22.5	0.8
	0.033	FCSE3IA333**B42200B	11000	363.0	26	19	10	22.5	0.8
	0.039	FCSE3IA393**I12700B	11000	429.0	32	18	9	27.5	0.8
	0.047	FCSE3IA473**I42700B	11000	517.0	32	20	11	27.5	0.8
	0.056	FCSE3IA563**I42700B	11000	616.0	32	20	11	27.5	0.8
0.068	FCSE3IA683**I72700B	11000	748.0	32	22	13	27.5	0.8	
0.082	FCSE3IA823**I82700B	11000	902.0	32	24.5	13	27.5	0.8	
1600	0.001	FCS3CIA102**E21500B	34000	34.0	18	11	5	15.0	0.8
	0.0012	FCS3CIA122**E21500B	34000	40.8	18	11	5	15.0	0.8
	0.0015	FCS3CIA152**E21500B	34000	51.0	18	11	5	15.0	0.8
	0.0018	FCS3CIA182**E21500B	34000	61.2	18	11	5	15.0	0.8
	0.0022	FCS3CIA222**E51500B	34000	74.8	18	12	6	15.0	0.8
	0.0027	FCS3CIA272**E51500B	34000	91.8	18	12	6	15.0	0.8
	0.0033	FCS3CIA332**E71500B	34000	112.2	18	13.5	7.5	15.0	0.8
	0.0039	FCS3CIA392**E71500B	34000	132.6	18	13.5	7.5	15.0	0.8
	0.0047	FCS3CIA472**E81500B	34000	159.8	18	14.5	8.5	15.0	0.8
	0.0056	FCS3CIA562**EC1500B	34000	190.4	18	16	10	15.0	0.8
	0.0068	FCS3CIA682**EC1500B	34000	231.2	18	16	10	15.0	0.8
	0.0082	FCS3CIA822**B22200B	11000	90.2	26	16.5	7	22.5	0.8
	0.01	FCS3CIA103**B22200B	11000	110.0	26	16.5	7	22.5	0.8
	0.012	FCS3CIA123**B22200B	11000	132.0	26	16.5	7	22.5	0.8
	0.015	FCS3CIA153**B32200B	11000	165.0	26	17	8.5	22.5	0.8
	0.018	FCS3CIA183**B32200B	11000	198.0	26	17	8.5	22.5	0.8
	0.022	FCS3CIA223**B42200B	11000	242.0	26	19	10	22.5	0.8
	0.027	FCS3CIA273**I12700B	11000	297.0	32	18	9	27.5	0.8
0.033	FCS3CIA333**I42700B	11000	363.0	32	20	11	27.5	0.8	
0.039	FCS3CIA393**I42700B	11000	429.0	32	20	11	27.5	0.8	
0.047	FCS3CIA473**I72700B	11000	517.0	32	22	13	27.5	0.8	
0.056	FCS3CIA563**I72700B	11000	616.0	32	22	13	27.5	0.8	
2000	0.00015	FCS3DIA151**E21500B	54000	8.1	18	11	5	15.0	0.8
	0.00022	FCS3DIA221**E21500B	54000	11.9	18	11	5	15.0	0.8
	0.00033	FCS3DIA331**E21500B	54000	17.8	18	11	5	15.0	0.8
	0.00047	FCS3DIA471**E21500B	54000	25.4	18	11	5	15.0	0.8
	0.00068	FCS3DIA681**E21500B	54000	36.7	18	11	5	15.0	0.8
	0.001	FCS3DIA102**E51500B	54000	54.0	18	12	6	15.0	0.8
	0.0012	FCS3DIA122**E51500B	54000	64.8	18	12	6	15.0	0.8
	0.0015	FCS3DIA152**E71500B	54000	81.0	18	13.5	7.5	15.0	0.8
	0.0018	FCS3DIA182**E71500B	34000	61.2	18	13.5	7.5	15.0	0.8
	0.0022	FCS3DIA222**E81500B	34000	74.8	18	14.5	8.5	15.0	0.8
	0.0027	FCS3DIA272**EC1500B	34000	91.8	18	16	10	15.0	0.8
	0.0033	FCS3DIA332**B22200B	11000	36.3	26	16.5	7	22.5	0.8
	0.0039	FCS3DIA392**B22200B	11000	42.9	26	16.5	7	22.5	0.8
	0.0047	FCS3DIA472**B22200B	11000	51.7	26	16.5	7	22.5	0.8
	0.0056	FCS3DIA562**B22200B	11000	61.6	26	16.5	7	22.5	0.8
	0.0068	FCS3DIA682**B32200B	11000	74.8	26	17	8.5	22.5	0.8
	0.0082	FCS3DIA822**B32200B	11000	90.2	26	17	8.5	22.5	0.8
	0.01	FCS3DIA103**B42200B	11000	110.0	26	19	10	22.5	0.8
0.012	FCS3DIA123**B52200B	11000	132.0	26	20	11	22.5	0.8	
0.015	FCS3AIA153**I42700B	11000	165.0	32	20	11	27.5	0.8	

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## 规格标准 Standard Ratings

$U_R$	$C_R$	P/N	dV/dt	$\hat{i}$	W	H	T	$P_1$	D
(V)	( $\mu$ F)	-	(V/ $\mu$ S)	(A)	(mm)	(mm)	(mm)	(mm)	(mm)
2000	0.018	FCS3AIA183**I72700B	11000	198.0	32	22	13	27.5	0.8
	0.022	FCS3AIA223**I72700B	11000	242.0	32	22	13	27.5	0.8

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

## 预期寿命曲线 Expected lifetime curve

