

代码编制规则 Part Number

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
F	C	R	3	B	I	X	1	0	5	K	A	F	D	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=Film Capacitor	Axial=R	850=2T	CBB167=IX		0.22=224			±5%=J		Circular=O	44/46=F	0.6=A	45=C		
		1000=3A	CBB167L=IV (Lug, 焊片)		0.56=564			±10%=K		Flat type=A	59=H	0.8=B	55=D		
		1200=3B			0.72=724			special=S			34/36=I	1.0=C	41=B		
		1600=3C	CBB167T=IZ (Terminal, 端子)		1.4=145						92=T	1.2=D	35=A		
					1.6=165						140=X	0.5=E			
					2.4=245						54/56=S	M8*10=F			
					3.0=305						28/29=A				
					3.6=365										
			4.2=425												

Features

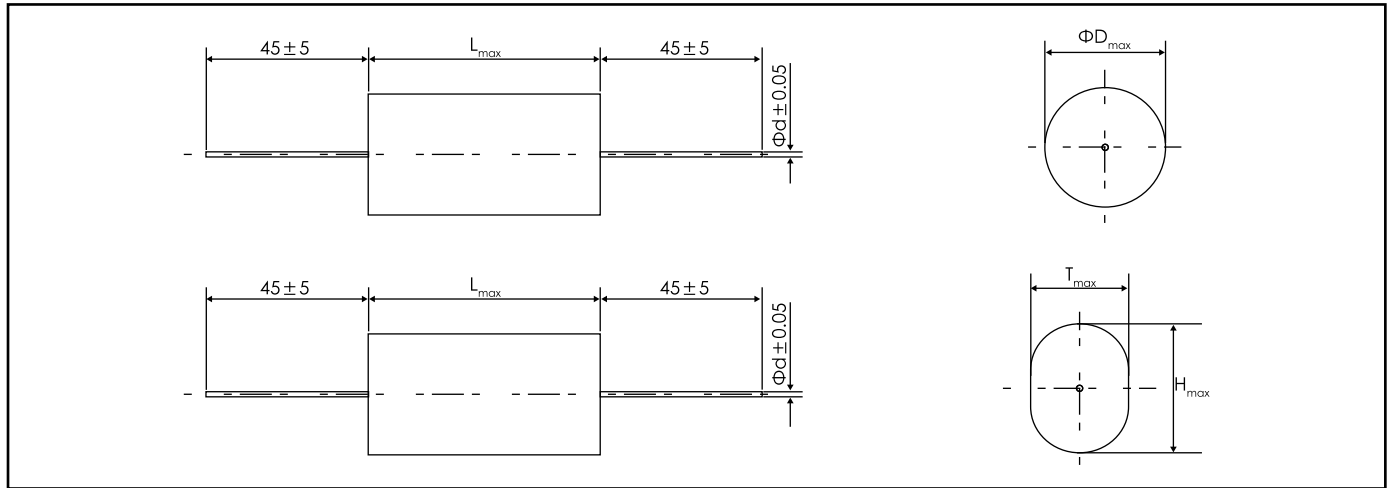
- Widely used in high voltage, high frequency circuit
- Low loss and small inherent temperature rise
- Excellent self-healing property
- Wrapped with polyester adhesive tape and ends filled with flame retardant epoxy resin

特点

- 广泛应用于高压高频脉冲电路中
- 损耗小，内部温升小
- 自愈性能优异
- 外包聚酯胶带纸，两端灌注阻燃性环氧

外形图 Dimensions

Unit: mm



标识 Marking

	1
CBB167	2
1 μ F K 250V _{AC}	3
F05	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	GB/T 17702 (IEC 61071)
气候类别 Climatic Category	40/85/21
工作温度范围 Operating Temperature Range	-40~+85°C ($\theta_{hotspot} \leq 85^\circ\text{C}$)
存储温度范围 Storage Temperature Range	-40~+85°C
额定电压 U_R Rated Voltage	850~2000V _{DC}
电容量范围 Capacitance Range	0.2~7.5 μ F
电容量偏差 Capacitance Tolerance	$\pm 5\%$ (J), $\pm 10\%$ (K)
端子与端子电压 U_{TT} Voltage Between Terminals	$1.5 \times U_{NDC}$, 10s (20°C)
端子与铝壳电压 U_{TC} Voltage Between Terminals and Case	3000 V _{AC} , 10s (20°C, 50Hz)
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	$\geq 30000 \text{M}\Omega \cdot \mu\text{F}$ (20°C, 100V _{DC} , 1min)
预期寿命 Life Expectancy	100000 hours (U_R , $\theta_{hotspot} = 70^\circ\text{C}$)
失效率 Failure Rate	100 FIT

规格标准 Standard Ratings

U _R	C _R	P/N	dV/dt	f	Rs	I _{max}	L _{max}	T _{max}	H _{max}	D _{max}	d
(V)	(μF)	-	(V/μs)	(A)	100KHz (mΩ)	100KHz 70°C(A)	(mm)	(mm)	(mm)	(mm)	(mm)
850Vdc (450Vac)	0.22	FCR2TIX224**IC*	1200	264	9.4	8	34.0	18.0	11.5	14.5	1.0
	0.22	FCR2TIX224**FB*	700	154	11.3	7	44.0	14.5	10	12.0	0.8
	0.33	FCR2TIX334**IC*	1200	396	8.8	9	34.0	20.5	14.5	17.5	1.0
	0.33	FCR2TIX334**FC*	700	231	8.7	10	44.0	16.0	11.5	14.0	1.0
	0.47	FCR2TIX474**IC*	1200	564	5.7	11	34.0	23.5	17.0	20.5	1.0
	0.47	FCR2TIX474**FC*	700	329	7.2	9	44.0	19.5	13.0	16.5	1.0
	0.68	FCR2TIX684**FC*	700	476	4.6	13	44.0	27.0	21.0	19.5	1.0
	0.72	FCR2TIX724**FD*	400	288	10	11.8	46.0	26.0	18.0	25.0	1.2
	1.0	FCR2TIX105**FC*	700	700	4.7	13	44.0	27.0	17.5	23.0	1.0
	1.5	FCR2TIX155**FD*	700	1050	4.0	13	44.0	31.0	21.5	28.5	1.2
	1.5	FCR2TIX155**FD*	400	600	7.0	15.6	46.0	35.0	27.0	35.0	1.2
	2.0	FCR2TIX205**FD*	700	1400	4.3	13	44.0	34.5	25.0	32.0	1.2
	2.2	FCR2TIX225**FD*	700	1540	3.3	14	44.0	36.0	26.5	33.5	1.2
	2.2	FCR2TIX225**HD*	450	990	4.0	12	58.0	29.0	23.0	28.5	1.2
	2.2	FCR2TIX225**FD*	400	880	6.0	21.5	46.0	40.0	34.0	41.0	1.2
	2.5	FCR2TIX255**FD*	700	1750	3.7	15	44.0	38.0	28.5	35.5	1.2
	2.5	FCR2TIX255**HD*	450	1125	4.0	15	58.0	30.5	24.5	30.0	1.2
	3.0	FCR2TIX305**HD*	450	1350	3.7	15	58.0	33.0	26.5	32.5	1.2
	3.0	FCR2TIX305**HD*	290	580	6.0	23	59.0	40.0	27.0	36.0	1.2
	3.3	FCR2TIX335**HD*	450	1485	3.3	15	58.0	35.0	27.0	34.0	1.2
3.6	FCR2TIX365**HD*	290	725	5.0	24	59.0	45.0	30.0	41.0	1.2	
4.0	FCR2TIX405**HD*	450	1800	3.3	15	58.0	38.0	30.0	37.5	1.2	
4.2	FCR2TIX425**HD*	290	870	4.0	25	59.0	45.0	35.0	44.0	1.2	
4.7	FCR2TIX475**HD*	450	2115	2.9	15	58.0	41.0	32.0	40.0	1.2	
1000Vdc (500Vac)	0.22	FCR3AIX224**IC*	1300	286	8.5	8	34.0	20.0	13.5	16.5	1.0
	0.33	FCR3AIX334**IC*	1300	429	6.5	9	34.0	23.0	17.0	20.0	1.0
	0.33	FCR3AIX334**FC*	800	264	8.3	8	44.0	18.0	13.5	16.0	1.0
	0.47	FCR3AIX474**IC*	1300	611	5.4	10	34.0	26.5	20.0	23.5	1.0
	0.47	FCR3AIX474**FC*	800	376	6.7	9	44.0	21.0	14.0	18.5	1.0
	0.6	FCR3AIX604**FD*	500	360	10.0	11.6	46.0	26.0	18.0	25.0	1.2
	0.68	FCR3AIX684**FC*	800	544	5.7	12	44.0	29.0	23.0	22.0	1.0
	1.0	FCR3AIX105**FD*	800	800	4.6	12	44.0	30.0	20.5	26.5	1.2
	1.4	FCR3AIX145**FD*	500	1000	7.0	18.8	46.0	35.0	27.0	35.0	1.2
	1.5	FCR3AIX155**FD*	800	1200	5.2	13	44.0	35.0	25.5	32.0	1.2
	1.5	FCR3AIX155**HD*	500	750	5.6	12	58.0	30.0	20.0	27.0	1.2
	2.0	FCR3AIX205**HD*	500	1000	4.3	15	58.0	33.0	24.0	31.0	1.2
	2.0	FCR3AIX205**FD*	500	1500	5.0	23	46.0	40.0	34.0	41.0	1.2
	2.2	FCR3AIX225**HD*	350	770	6.0	23	59.0	40.0	27.0	36.0	1.2
	2.2	FCR3AIX155**HD*	500	1100	3.9	15	58.0	32.5	26.0	32.0	1.2
	3.0	FCR3AIX305**HD*	500	1500	3.4	15	58.0	38.0	31.0	37.5	1.2
3.0	FCR3AIX305**HD*	350	1050	5.0	24	59.0	45.0	30.0	41.0	1.2	
3.3	FCR3AIX335**HD*	500	1650	3.1	15	58.0	40.0	32.0	39.0	1.2	
3.5	FCR3AIX355**HD*	350	1225	4.0	25	59.0	45.0	35.0	44.0	1.2	
1200Vdc (600Vac)	0.22	FCR3BIX224**FD*	450	143	10.0	11.5	46.0	26.0	18.0	25.0	1.2
	0.22	FCR3BIX224**IC*	1500	330	7.7	9	34.0	24.0	17.5	18.0	1.0
	0.22	FCR3BIX224**FC*	900	198	11.0	8	44.0	21.0	11.5	14.5	1.0
	0.33	FCR3BIX334**IC*	1500	495	6.6	10	34.0	28.0	21.5	22.0	1.0
	0.33	FCR3BIX334**FC*	900	297	7.7	9	44.0	24.0	14.5	17.5	1.0
	0.47	FCR3BIX474**FD*	900	423	6.8	10	44.0	26.0	18.0	24.0	1.2
	0.68	FCR3BIX684**FD*	900	612	5.8	12	44.0	31.0	22.0	26.0	1.2
	0.72	FCR3BIX724**FD*	650	468	9.0	17.2	46.0	35.0	27.0	35.0	1.2
	1.0	FCR3BIX105**FD*	900	900	5.0	11	44.0	33.0	27.0	29.0	1.2
	1.0	FCR3BIX105**HD*	550	550	5.5	10	58.0	36.0	21.0	24.5	1.2
	1.2	FCR3BIX125**FD*	900	1080	4.4	11	44.0	38.0	29.0	32.0	1.2
	1.2	FCR3BIX125**HD*	550	660	4.8	10	58.0	38.0	23.0	26.5	1.2
	1.2	FCR3BIX125**FD*	650	780	7.0	20.5	46.0	40.0	34.0	41.0	1.2
	1.5	FCR3BIX155**FD*	900	1350	3.9	14	44.0	43.0	32.0	35.5	1.2
	1.5	FCR3BIX155**HD*	550	825	4.4	13	58.0	36.0	26.0	29.5	1.2
	1.6	FCR3BIX165**HD*	455	455	8.0	19	59.0	40.0	27.0	36.0	1.2
	2.0	FCR3BIX205**HD*	550	1100	3.9	15	58.0	39.0	30.0	33.0	1.2
	2.1	FCR3BIX215**HD*	455	546	7.0	20	59.0	45.0	30.0	41.0	1.2
2.2	FCR3BIX225**HD*	550	1210	3.7	15	58.0	42.0	31.0	35.5	1.2	
2.4	FCR3BIX245**HD*	455	682	6.0	22	59.0	45.0	35.0	44.0	1.2	
3.0	FCR3BIX305**HD*	550	1650	3.1	15	58.0	47.5	35.0	41.0	1.2	
1600Vdc (650Vac)	0.22	FCR3CIX224**FD*	800	176	11.0	11.4	46.0	26.0	18.0	25.0	1.2
	0.56	FCR3CIX564**FD*	800	448	9.0	16.8	46.0	35.0	27.0	35.0	1.2
	0.72	FCR3CIX724**FD*	800	576	8.0	20.5	46.0	40.0	34.0	41.0	1.2
	1.0	FCR3CIX105**HD*	560	380	7.0	19	59.0	40.0	27.0	36.0	1.2
	1.3	FCR3CIX135**HD*	560	403	6.0	21	59.0	45.0	30.0	41.0	1.2
	1.6	FCR3CIX165**HD*	560	560	6.0	22	59.0	45.0	35.0	44.0	1.2
2000Vdc (700Vac)	0.047	FCR3DIX473**FB*	1200	56.4	30.0	5	44.0	15.0	9.0	11.0	0.8
	0.068	FCR3DIX683**IC*	2000	136	16.8	7	34.0	20.5	14.0	16.0	1.0
	0.068	FCR3DIX683**FC*	1200	81.6	23.3	6	44.0	17.0	11.0	13.0	1.0
	0.1	FCR3DIX104**IC*	2000	200	12.0	10	34.0	23.5	17.0	19.0	1.0
	0.1	FCR3DIX104**FC*	1200	120	17.7	9	44.0	19.0	13.0	15.5	1.0
	0.15	FCR3DIX154**FC*	1200	180	9.5	12	44.0	23.5	14.0	18.5	1.0
	0.22	FCR3DIX224**FC*	1200	264	8.6	13	44.0	27.0	17.5	21.5	1.0
	0.33	FCR3DIX334**FD*	1200	396	6.7	14	44.0	31.5	22.0	26.5	1.2
	0.47	FCR3DIX474**FD*	1200	564	5.6	14	44.0	36.0	26.5	32.0	1.2
	0.56	FCR3DIX564**FD*	1200	672	5.2	15	44.0	38.5	29.0	34.5	1.2
	0.56	FCR3DIX564**HD*	700	392	6.5	15	58.0	31.5	22.5	29.0	1.2
	0.68	FCR3DIX684**HD*	700	476	5.7	15	58.0	33.5	24.5	31.0	1.2
1.0	FCR3DIX105**HD*	700	700	4.7	15	58.0	43.0	29.0	37.5	1.2	
1.2	FCR3DIX125**HD*	700	840	4.3	15	58.0	46.0	32.0	40.5	1.2	

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

预期寿命曲线 Expected lifetime curve

