

CBB81B series / High-voltage metallized polypropylene film/foil capacitor Box type

General Technical Characteristics 一般特性

Metallized polypropylene film/foil, wound construction
 金属化聚丙烯膜箔式, 卷绕结构
 Low loss and small inherent temperature rise
 损耗小, 内部温升小
 Negative temperature coefficient of capacitance
 负电容器温度系数
 Plastic case (UL94 V-0), epoxy resin sealing
 塑胶外壳 (UL94 V-0), 阻燃环氧填充

Typical Applications 典型应用

Horizontal resonance circuits of large screen monitor and colour TV
 大屏幕显示器及彩电行逆电路
 Suitable for high pulse and high current loading circuit
 适用于高脉冲, 大电流电路
 Suitable for the electronic ballast
 适用于电子镇流器

Electrical Characteristics 电气特性

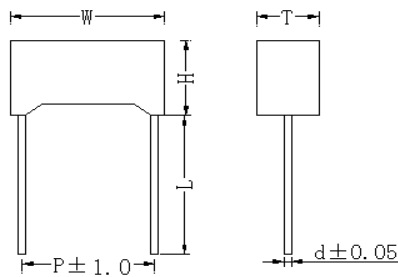
Reference Standard 引用标准: GB/T 14579 (IEC60384-17)
 Climatic Category 气候类别: 40/105/21
 Rated Temperature 额定温度: 85°C
 Operating Temperature Range: -40°C ~ 105°C
 工作温度范围: (+85°C to +105°C: decreasing factor 1.25% per °C for U_R)
 Rated Voltage 额定电压: 1000V/1250V, 1600V, 2000V
 Capacitance Range 电容量范围: 0.0010μF ~ 0.1μF
 Capacitance Tolerance 电容量偏差: ±3% (H), ±5% (J), ±10% (K),
 Dissipation Factor 损耗角正切: $\leq 10 \times 10^{-4}$ Measured at 1KHz and 20°C
 $\leq 20 \times 10^{-4}$ Measured at 1KHz and 20°C.
 Test Voltage 耐电压: $1.75U_R$ for 5 sec.
 Insulation Resistance 绝缘电阻: $\geq 100\ 000M\Omega$ Measured at 20°C, 100V and 1 min.
 Maximum Pulse Rise Time(dV/dt) 最大脉冲爬升速率:

U_R (V)	dV/dt [V/μs]
	P=15.0
630/800	11 000
1000/1250	28 000
1600	32 000
2000	35 000
2500	40 000

If the working voltage (U) is lower than the rated voltage (U_R), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the left value with U_R/U .

若实际工作电压 U 比额定电压 U_R 低, 电容器可工作在更高的 dV/dt 场合, 这样 dV/dt 允许值应为左表值乘以 U_R/U .

Outline Drawing 外形图



Part Number System 产品编码说明

K6F	3A	102	K	H	L	0	20	***
型号代码	额定电压	标称容量	容量偏差	引线脚距P	引线加工/包装代码	引线加工脚距	引线长度	内部编码
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Lead Space:	Lead form and packaging code:	Lead form F:	Lead length:	Internal code
K6F:	3A=1000V	102: 0.001μF	J: ± 5%	H=15.0mm	L=straight lead	0=none	05=5mm	
CBB81B	3B=1250V	103: 0.01μF	K: ± 10%	l=20.0mm	K=lead kinked	H=15.0mm	20=20mm	
Series	3C=1600V			J=22.5mm	T=ammo-pack	l=20.0mm		
	3D=2000V			K=25.0mm		J=22.5mm		
				L=27.5mm				

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■ Electrical Specification & Part Numbers Reference 规格型号参考

Unit: mm (max)

Cap. (μ F)	1 000VDC / 1 250VDC					Part Number	Cap. (μ F)	2 000VDC					Part Number
	W	H	T	P	d			W	H	T	P	d	
0.0010	18.0	11.0	5.0	15.0	0.8	K6F3A102*****	0.0010	18.0	12.0	6.0	15.0	0.8	K6F3D102*****
0.0012	18.0	11.0	5.0	15.0	0.8	K6F3A122*****	0.0012	18.0	12.0	6.0	15.0	0.8	K6F3D122*****
0.0015	18.0	11.0	5.0	15.0	0.8	K6F3A152*****	0.0015	18.0	12.0	6.0	15.0	0.8	K6F3D152*****
0.0018	18.0	11.0	5.0	15.0	0.8	K6F3A182*****	0.0018	18.0	13.5	7.5	15.0	0.8	K6F3D182*****
0.0022	18.0	11.0	5.0	15.0	0.8	K6F3A222*****	0.0022	18.0	13.5	7.5	15.0	0.8	K6F3D222*****
0.0027	18.0	12.0	6.0	15.0	0.8	K6F3A272*****	0.0027	18.0	14.5	8.5	15.0	0.8	K6F3D272*****
0.0033	18.0	12.0	6.0	15.0	0.8	K6F3A332*****	0.0033	18.0	16.0	10.0	15.0	0.8	K6F3D332*****
0.0039	18.0	13.0	6.3	15.0	0.8	K6F3A392*****	0.0039	26.5	15.0	6.0	22.5	0.8	K6F3D392*****
0.0047	18.0	13.5	7.5	15.0	0.8	K6F3A472*****	0.0047	26.5	15.0	6.0	22.5	0.8	K6F3D472*****
0.0051	18.0	13.5	7.5	15.0	0.8	K6F3A512*****	0.0051	26.5	16.5	7.0	22.5	0.8	K6F3D512*****
0.0056	18.0	13.5	7.5	15.0	0.8	K6F3A562*****	0.0056	26.5	16.5	7.0	15.0	0.8	K6F3D562*****
0.0068	18.0	13.5	7.5	15.0	0.8	K6F3A682*****	0.0068	26.5	16.5	7.0	15.0	0.8	K6F3D682*****
0.0075	18.0	14.5	8.5	15.0	0.8	K6F3A752*****	0.0075	26.5	17.0	8.5	22.5	0.8	K6F3D752*****
0.0082	18.0	14.5	8.5	15.0	0.8	K6F3A822*****	0.0082	26.5	17.0	8.5	22.5	0.8	K6F3D822*****
0.0091	18.0	14.5	8.5	15.0	0.8	K6F3A912*****	0.0091	26.5	19.0	10.0	22.5	0.8	K6F3D912*****
0.010	18.0	14.5	8.5	15.0	0.8	K6F3A103*****	0.010	26.5	19.0	10.0	22.5	0.8	K6F3D103*****
0.012	18.0	14.5	8.5	15.0	0.8	K6F3A123*****	0.012	26.5	19.0	10.0	22.5	0.8	K6F3D123*****
0.015	18.0	16.0	10.0	15.0	0.8	K6F3A153*****	0.015	26.5	20.0	11.5	22.5	0.8	K6F3D153*****
0.018	26.5	16.5	7.0	22.5	0.8	K6F3A183*****	0.018	26.5	20.0	12.5	22.5	0.8	K6F3D183*****
0.022	26.5	17.0	8.5	22.5	0.8	K6F3A223*****							
0.027	26.5	19.0	10.0	22.5	0.8	K6F3A273*****							
0.033	26.5	19.0	10.0	22.5	0.8	K6F3A333*****							
0.036	26.5	20.0	11.5	22.5	0.8	K6F3A363*****							
0.039	26.5	20.0	11.5	22.5	0.8	K6F3A393*****							
0.047	32.0	20.0	11.0	22.5	0.8	K6F3A473*****							
0.056	32.0	20.0	11.0	22.5	0.8	K6F3A563*****							
0.068	32.0	22.0	13.0	22.5	0.8	K6F3A683*****							
0.082	32.0	22.0	13.0	22.5	0.8	K6F3A823*****							
0.10	32.0	25.0	14.0	22.5	0.8	K6F3A104*****							

Cap. (μ F)	1 600VDC					Part Number
	W	H	T	P	d	
0.0010	18.0	11.0	5.0	15.0	0.8	K6F3C102*****
0.0012	18.0	11.0	5.0	15.0	0.8	K6F3C122*****
0.0015	18.0	11.0	5.0	15.0	0.8	K6F3C152*****
0.0018	18.0	12.0	6.0	15.0	0.8	K6F3C182*****
0.0022	18.0	12.0	6.0	15.0	0.8	K6F3C222*****
0.0027	18.0	12.0	6.0	15.0	0.8	K6F3C272*****
0.0033	18.0	13.5	7.5	15.0	0.8	K6F3C332*****
0.0039	18.0	13.5	7.5	15.0	0.8	K6F3C392*****
0.0047	18.0	14.5	8.5	15.0	0.8	K6F3C472*****
0.0051	18.0	16.0	10.0	15.0	0.8	K6F3C512*****
0.0056	18.0	16.0	10.0	15.0	0.8	K6F3C562*****
0.0068	18.0	16.0	10.0	15.0	0.8	K6F3C682*****
0.0075	26.5	15.0	6.0	22.5	0.8	K6F3C752*****
0.0082	26.5	15.0	6.0	22.5	0.8	K6F3C822*****
0.0091	26.5	16.5	7.0	22.5	0.8	K6F3C912*****
0.010	26.5	16.5	7.0	22.5	0.8	K6F3C103*****
0.012	26.5	17.0	8.5	22.5	0.8	K6F3C123*****
0.015	26.5	19.0	10.0	22.5	0.8	K6F3C153*****
0.018	26.5	19.0	10.0	22.5	0.8	K6F3C183*****
0.022	26.5	20.0	11.0	22.5	0.8	K6F3C223*****

备注: 1. "*****" = Capacitance tolerance code, Pitch, Lead form and packaging code, Lead form, Lead length, Internal code.

"*****" 表示容量偏差, 引线脚距, 引线加工和包装代码, 引线加工脚距, 引线长度, 内部编码。

2. Customization for special specification and requirement is available.