

CBB81 series / High-voltage metallized polypropylene film/foil capacitor

■ **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
 Flame retardant epoxy resin powder coating (UL94/V-0)
 阻燃性环氧粉末包封 (UL94/V-0)

■ **Typical Applications 典型应用**

Horizontal resonance circuits of large screen monitor and colour TV
 大屏幕显视器及彩电行逆电路
 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**

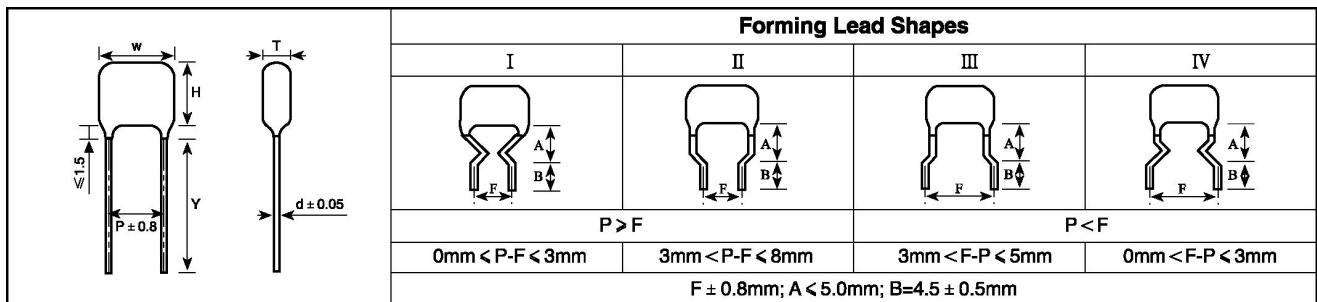
Reference Standard 引用标准: GB/T 14579 (IEC60384-17)
 Climatic Category 气候类别: 40/105/21
 Rated Temperature 额定温度: 85°C
 Operating Temperature Range: -40°C ~ 105°C
 工作温度范围: (+85°C to +105°C: decreasing factor 1.25% per °C for U_R)
 Rated Voltage 额定电压: 630V, 800V, 1000V/1250V, 1600V, 2000V, 2500V
 Capacitance Range 电容量范围: 0.0010μF ~ 0.036μF
 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**

K6H	2J	102	K	0	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
K6H:	2J=630V	102: 0.001μF	J: ± 5%	H=15.0mm	L=straight lead	0=none	05=5mm	
CBB81 Series	2K=800V	103: 0.01μF	K: ± 10%	I=20.0mm	K=lead kinked	H=15.0mm	20=20mm	
	3A=1000V			J=22.5mm	T=ammo-pack	I=20.0mm		
	3B=1250V			K=25.0mm		J=22.5mm		
	3C=1600V			L=27.5mm				
	3D=2000V							
	3E=2500V							

CBB81 series / High-voltage metallized polypropylene film/foil capacitor

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

Unit: mm (max)

Cap. (μ F)	630VDC / 800VDC (400VAC)					Part Number	Cap. (μ F)	1 000VDC / 1 250VDC (450VAC)					Part Number
	W	H	T	P	d			W	H	T	P	d	
0.0010	18.0	10.1	5.7	15.0	0.8	K6H2K102*****	0.0010	18.0	10.1	5.7	15.0	0.8	K6H3A102*****
0.0012	18.0	10.5	6.0	15.0	0.8	K6H2K122*****	0.0012	18.0	10.5	6.0	15.0	0.8	K6H3A122*****
0.0015	18.0	11.0	6.5	15.0	0.8	K6H2K152*****	0.0015	18.0	11.0	6.5	15.0	0.8	K6H3A152*****
0.0016	18.0	11.6	6.4	15.0	0.8	K6H2K162*****	0.0016	18.0	11.6	6.4	15.0	0.8	K6H3A162*****
0.0018	18.0	11.9	6.7	15.0	0.8	K6H2K182*****	0.0018	18.0	11.9	6.7	15.0	0.8	K6H3A182*****
0.0020	18.0	12.2	7.0	15.0	0.8	K6H2K202*****	0.0020	18.0	12.2	7.0	15.0	0.8	K6H3A202*****
0.0022	18.0	12.5	7.3	15.0	0.8	K6H2K222*****	0.0022	18.0	12.5	7.3	15.0	0.8	K6H3A222*****
0.0024	18.0	12.7	7.5	15.0	0.8	K6H2K242*****	0.0024	18.0	12.7	7.5	15.0	0.8	K6H3A242*****
0.0027	18.0	13.1	7.9	15.0	0.8	K6H2K272*****	0.0027	18.0	13.6	7.9	15.0	0.8	K6H3A272*****
0.0030	18.0	13.5	8.3	15.0	0.8	K6H2K302*****	0.0030	18.0	14.0	8.3	15.0	0.8	K6H3A302*****
0.0033	18.0	13.8	8.6	15.0	0.8	K6H2K332*****	0.0033	18.0	14.3	8.6	15.0	0.8	K6H3A332*****
0.0036	18.0	11.7	6.5	15.0	0.8	K6H2K362*****	0.0036	18.0	11.7	6.5	15.0	0.8	K6H3A362*****
0.0039	18.0	12.0	6.7	15.0	0.8	K6H2K392*****	0.0039	18.0	12.0	6.7	15.0	0.8	K6H3A392*****
0.0043	18.0	12.2	7.0	15.0	0.8	K6H2K432*****	0.0043	18.0	12.2	7.0	15.0	0.8	K6H3A432*****
0.0047	18.0	12.5	7.3	15.0	0.8	K6H2K472*****	0.0047	18.0	12.5	7.3	15.0	0.8	K6H3A472*****
0.0049	18.0	11.9	6.7	15.0	0.8	K6H2K492*****	0.0049	18.0	12.6	7.4	15.0	0.8	K6H3A492*****
0.0051	18.0	12.0	6.8	15.0	0.8	K6H2K512*****	0.0051	18.0	12.8	7.5	15.0	0.8	K6H3A512*****
0.0053	18.0	12.1	6.9	15.0	0.8	K6H2K532*****	0.0053	18.0	12.9	7.7	15.0	0.8	K6H3A532*****
0.0056	18.0	11.5	6.2	15.0	0.8	K6H2K562*****	0.0056	18.0	12.1	6.9	15.0	0.8	K6H3A562*****
0.0060	18.0	11.6	6.4	15.0	0.8	K6H2K602*****	0.0060	18.0	12.3	7.1	15.0	0.8	K6H3A602*****
0.0062	18.0	11.7	6.5	15.0	0.8	K6H2K622*****	0.0062	18.0	12.4	7.2	15.0	0.8	K6H3A622*****
0.0065	18.0	11.8	6.6	15.0	0.8	K6H2K652*****	0.0065	18.0	12.6	7.4	15.0	0.8	K6H3A652*****
0.0068	18.0	12.0	6.8	15.0	0.8	K6H2K682*****	0.0068	18.0	12.7	7.5	15.0	0.8	K6H3A682*****
0.0072	18.0	12.1	6.9	15.0	0.8	K6H2K722*****	0.0072	18.0	12.9	7.7	15.0	0.8	K6H3A722*****
0.0075	18.0	12.2	7.0	15.0	0.8	K6H2K752*****	0.0075	18.0	13.5	7.8	15.0	0.8	K6H3A752*****
0.0078	18.0	12.4	7.1	15.0	0.8	K6H2K782*****	0.0078	18.0	13.7	8.0	15.0	0.8	K6H3A782*****
0.0082	18.0	12.5	7.3	15.0	0.8	K6H2K822*****	0.0082	18.0	13.9	8.1	15.0	0.8	K6H3A822*****
0.0084	18.0	12.6	7.4	15.0	0.8	K6H2K842*****	0.0084	18.0	13.9	8.2	15.0	0.8	K6H3A842*****
0.0091	18.0	12.8	7.6	15.0	0.8	K6H2K912*****	0.0091	18.0	14.2	9.0	15.0	0.8	K6H3A912*****
0.010	18.0	13.2	8.0	15.0	0.8	K6H2K103*****	0.010	18.0	14.6	9.4	15.0	0.8	K6H3A103*****
0.012	18.0	11.4	6.2	15.0	0.8	K6H2K123*****	0.012	18.0	15.4	10.2	15.0	0.8	K6H3A123*****
0.015	18.0	12.0	6.8	15.0	0.8	K6H2K153*****	0.015	18.0	14.9	9.7	15.0	0.8	K6H3A153*****
0.018	18.0	12.6	7.4	15.0	0.8	K6H2K183*****	0.018	18.0	15.7	10.5	15.0	0.8	K6H3A183*****
0.022	18.0	13.8	8.1	15.0	0.8	K6H2K223*****	0.022	18.0	16.7	11.5	15.0	0.8	K6H3A223*****
0.024	18.0	14.1	8.4	15.0	0.8	K6H2K243*****							
0.027	18.0	14.6	8.9	15.0	0.8	K6H2K273*****							
0.033	18.0	16.4	9.1	15.0	0.8	K6H2K333*****							
0.036	18.0	16.8	9.5	15.0	0.8	K6H2K363*****							

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.

CBB81 series / High-voltage metallized polypropylene film/foil capacitor

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

Unit: mm (max)

Cap. (μ F)	1 600VDC (450VAC)					Part Number	Cap. (μ F)	2 000VDC (500VAC)					Part Number
	W	H	T	P	d			W	H	T	P	d	
0.0010	18.0	10.4	6.0	15.0	0.8	K6H3C102*****	0.0010	18.0	10.4	6.0	15.0	0.8	K6H3D102*****
0.0012	18.0	10.8	6.4	15.0	0.8	K6H3C122*****	0.0012	18.0	10.8	6.4	15.0	0.8	K6H3D122*****
0.0015	18.0	11.3	6.9	15.0	0.8	K6H3C152*****	0.0015	18.0	11.3	6.9	15.0	0.8	K6H3D152*****
0.0016	18.0	12.0	6.8	15.0	0.8	K6H3C162*****	0.0016	18.0	12.0	6.8	15.0	0.8	K6H3D162*****
0.0018	18.0	12.3	7.1	15.0	0.8	K6H3C182*****	0.0018	18.0	12.3	7.1	15.0	0.8	K6H3D182*****
0.0020	18.0	12.7	7.4	15.0	0.8	K6H3C202*****	0.0020	18.0	12.7	7.4	15.0	0.8	K6H3D202*****
0.0022	18.0	12.9	7.7	15.0	0.8	K6H3C222*****	0.0022	18.0	12.9	7.7	15.0	0.8	K6H3D222*****
0.0024	18.0	13.7	8.0	15.0	0.8	K6H3C242*****	0.0024	18.0	11.8	6.6	15.0	0.8	K6H3D242*****
0.0027	18.0	11.4	6.2	15.0	0.8	K6H3C272*****	0.0027	18.0	12.1	6.9	15.0	0.8	K6H3D272*****
0.0030	18.0	11.7	6.5	15.0	0.8	K6H3C302*****	0.0030	18.0	12.4	7.2	15.0	0.8	K6H3D302*****
0.0033	18.0	11.9	6.7	15.0	0.8	K6H3C332*****	0.0033	18.0	12.7	7.5	15.0	0.8	K6H3D332*****
0.0036	18.0	11.4	6.2	15.0	0.8	K6H3C362*****	0.0036	18.0	12.2	7.0	15.0	0.8	K6H3D362*****
0.0039	18.0	11.6	6.4	15.0	0.8	K6H3C392*****	0.0039	18.0	12.4	7.2	15.0	0.8	K6H3D392*****
0.0043	18.0	11.8	6.6	15.0	0.8	K6H3C432*****	0.0043	18.0	12.7	7.5	15.0	0.8	K6H3D432*****
0.0047	18.0	12.1	6.9	15.0	0.8	K6H3C472*****	0.0047	18.0	13.5	7.8	15.0	0.8	K6H3D472*****
0.0049	18.0	12.2	7.0	15.0	0.8	K6H3C492*****	0.0049	18.0	13.7	8.0	15.0	0.8	K6H3D492*****
0.0051	18.0	12.3	7.1	15.0	0.8	K6H3C512*****	0.0051	18.0	13.8	8.1	15.0	0.8	K6H3D512*****
0.0053	18.0	12.4	7.2	15.0	0.8	K6H3C532*****	0.0053	18.0	13.9	8.2	15.0	0.8	K6H3D532*****
0.0056	18.0	12.6	7.4	15.0	0.8	K6H3C562*****	0.0056	18.0	14.2	8.4	15.0	0.8	K6H3D562*****
0.0060	18.0	12.8	7.6	15.0	0.8	K6H3C602*****	0.0060	18.0	14.4	9.2	15.0	0.8	K6H3D602*****
0.0062	18.0	12.9	7.7	15.0	0.8	K6H3C622*****	0.0062	18.0	14.5	9.3	15.0	0.8	K6H3D622*****
0.0065	18.0	13.6	7.9	15.0	0.8	K6H3C652*****	0.0065	18.0	14.7	9.5	15.0	0.8	K6H3D652*****
0.0068	18.0	13.7	8.0	15.0	0.8	K6H3C682*****	0.0068	18.0	14.9	9.7	15.0	0.8	K6H3D682*****
0.0072	18.0	13.9	8.2	15.0	0.8	K6H3C722*****	0.0072	18.0	15.2	9.9	15.0	0.8	K6H3D722*****
0.0075	18.0	14.1	8.4	15.0	0.8	K6H3C752*****	0.0075	18.0	15.3	10.1	15.0	0.8	K6H3D752*****
0.0078	18.0	14.2	9.0	15.0	0.8	K6H3C782*****	0.0078	18.0	15.5	10.3	15.0	0.8	K6H3D782*****
0.0082	18.0	14.4	9.2	15.0	0.8	K6H3C822*****	0.0082	18.0	15.7	10.5	15.0	0.8	K6H3D822*****
0.0084	18.0	14.5	9.3	15.0	0.8	K6H3C842*****	0.0084	18.0	15.8	10.6	15.0	0.8	K6H3D842*****
0.0091	18.0	14.9	9.6	15.0	0.8	K6H3C912*****	0.0091	18.0	16.2	11.0	15.0	0.8	K6H3D912*****
0.010	18.0	15.3	10.0	15.0	0.8	K6H3C103*****	0.010	18.0	16.7	11.5	15.0	0.8	K6H3D103*****
0.012	18.0	16.1	10.9	15.0	0.8	K6H3C123*****	0.012	18.0	16.1	10.9	15.0	0.8	K6H3C123*****

Cap. (μ F)	2 500VDC (500VAC)					Part Number
	W	H	T	P	d	
0.0010	18.0	10.4	6.0	15.0	0.8	K6H3E102*****
0.0012	18.0	10.8	6.4	15.0	0.8	K6H3E122*****
0.0015	18.0	11.3	6.9	15.0	0.8	K6H3E152*****
0.0016	18.0	12.0	6.8	15.0	0.8	K6H3E162*****
0.0018	18.0	12.3	7.1	15.0	0.8	K6H3E182*****
0.0020	18.0	12.7	7.4	15.0	0.8	K6H3E202*****
0.0022	18.0	12.9	7.7	15.0	0.8	K6H3E222*****
0.0024	18.0	11.8	6.6	15.0	0.8	K6H3E242*****
0.0027	18.0	12.1	6.9	15.0	0.8	K6H3E272*****
0.0030	18.0	12.4	7.2	15.0	0.8	K6H3E302*****
0.0033	18.0	12.7	7.5	15.0	0.8	K6H3E332*****
0.0036	18.0	13.5	7.8	15.0	0.8	K6H3E362*****
0.0039	18.0	13.8	8.1	15.0	0.8	K6H3E392*****
0.0043	18.0	14.1	8.4	15.0	0.8	K6H3E432*****
0.0047	18.0	14.5	9.3	15.0	0.8	K6H3E472*****
0.0049	18.0	14.6	9.4	15.0	0.8	K6H3E492*****
0.0051	18.0	14.8	9.6	15.0	0.8	K6H3E512*****
0.0053	18.0	15.0	9.7	15.0	0.8	K6H3E532*****
0.0056	18.0	15.2	10.0	15.0	0.8	K6H3E562*****
0.0060	18.0	15.5	10.3	15.0	0.8	K6H3E602*****
0.0062	18.0	15.6	10.4	15.0	0.8	K6H3E622*****
0.0065	18.0	15.9	10.6	15.0	0.8	K6H3E652*****
0.0068	18.0	16.1	10.9	15.0	0.8	K6H3E682*****
0.0072	18.0	16.3	11.1	15.0	0.8	K6H3E722*****
0.0075	18.0	16.5	11.3	15.0	0.8	K6H3E752*****
0.0078	18.0	16.7	11.5	15.0	0.8	K6H3E782*****

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.