

CBB13 series / Polypropylene film/foil capacitor (Non-inductive)

General Technical Characteristics 一般特性

Film/foil, non-inductive wound type, dipped
膜箔式电容器, 无感卷绕结构, 浸渍型
Excellent frequency and temperature characteristics
优异的频率和温度特性
Very small loss even at high frequency
即使在高频下, 损耗也极小
Flame retardant epoxy resin powder coating (UL94/V-0)
阻燃环氧粉末封装 (UL94/V-0)

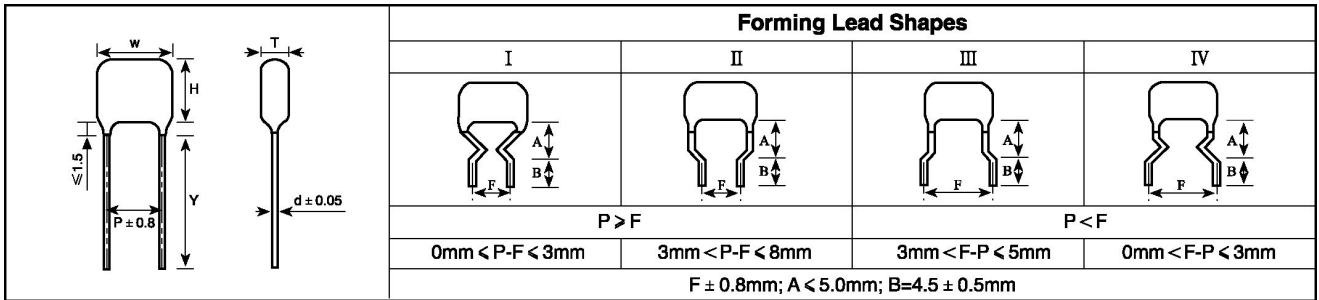
Typical Applications 典型应用

Widely used in high frequency, DC and pulse circuits
广泛用于高频, 直流和脉冲电路中

Electrical Characteristics 电气特性

Reference Standard 引用标准: GB 10188 (IEC 60384-13)
Climatic Category 气候类别: 55/105/21
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: 100VDC, 160VDC, 200VDC, 250VDC, 400VDC, 630VDC, 800VDC
Capacitance Range 电容量范围: 0.0010 μ F ~ 0.10 μ F
Capacitance Tolerance 电容量偏差: $\pm 5\%$ (J), $\pm 10\%$ (K)
Dissipation Factor 损耗角正切: $\leq 10 \times 10^{-4} \%$ Measured at 1KHz and 20°C.
Test Voltage 耐电压: $2.0U_R$ for 5 sec.
Insulation Resistance 绝缘电阻: $\geq 50\ 000M\Omega$, for $C_N \leq 0.1\mu F$
 $\geq 5000s$, for $C_N > 0.1\mu F$ Measured at 20°C, 100V and 1 min.

Outline Drawing 外形图



Part Number System 产品编码说明

K6L	2A	104	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
K6L:	2A=100V	103: 0.01 μ F	J: $\pm 5\%$, K: $\pm 10\%$ M: $\pm 20\%$	0=all the pitch	L=straight lead K=lead kinked T=ammo-pack	0=none D=5.0mm E=7.5mm F=10.0mm H=15.0mm	05=5mm 20=20mm	
CBB13 Series	2C=160V 2D=200V 2E=250V 2G=400V 2J=630V	104: 0.1 μ F						

CBB13 series / Polypropylene film/foil capacitor (Non-inductive)

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

Cap. (μF)	100VDC					Part Number	Cap. (μF)	160VDC					Part Number
	W	H	T	P	d			W	H	T	P	d	
0.0010	9.0	8.5	4.5	6.5	0.6	K6L2A102*****	0.0010	10.0	9.0	5.0	6.5	0.6	K6L2C102*****
0.0012	9.0	9.0	5.0	6.5	0.6	K6L2A122*****	0.0012	10.0	9.5	5.5	6.5	0.6	K6L2C122*****
0.0015	9.0	9.5	5.5	6.5	0.6	K6L2A152*****	0.0015	10.0	9.5	5.5	6.5	0.6	K6L2C152*****
0.0016	9.0	9.5	5.5	6.5	0.6	K6L2A162*****	0.0016	10.0	9.5	5.5	6.5	0.6	K6L2C162*****
0.0018	9.0	9.5	5.5	6.5	0.6	K6L2A182*****	0.0018	10.0	10.0	6.0	6.5	0.6	K6L2C182*****
0.0020	9.0	8.5	4.5	6.5	0.6	K6L2A202*****	0.0020	10.0	9.0	5.5	6.5	0.6	K6L2C202*****
0.0022	9.0	8.5	4.5	6.5	0.6	K6L2A222*****	0.0022	10.0	9.5	5.5	6.5	0.6	K6L2C222*****
0.0024	9.0	8.5	5.0	6.5	0.6	K6L2A242*****	0.0024	10.0	9.5	5.5	6.5	0.6	K6L2C242*****
0.0027	9.0	9.0	5.0	6.5	0.6	K6L2A272*****	0.0027	10.0	9.5	5.5	6.5	0.6	K6L2C272*****
0.0030	9.0	9.0	5.0	6.5	0.6	K6L2A302*****	0.0030	10.0	10.0	6.0	6.5	0.6	K6L2C302*****
0.0033	9.0	9.0	5.5	6.5	0.6	K6L2A332*****	0.0033	10.0	10.0	6.0	6.5	0.6	K6L2C332*****
0.0036	9.0	9.5	5.5	6.5	0.6	K6L2A362*****	0.0036	10.0	10.0	6.0	6.5	0.6	K6L2C362*****
0.0039	9.0	9.5	5.5	6.5	0.6	K6L2A392*****	0.0039	10.0	10.0	6.5	6.5	0.6	K6L2C392*****
0.0043	9.0	9.0	5.0	6.5	0.6	K6L2A432*****	0.0043	10.0	10.5	6.5	6.5	0.6	K6L2C432*****
0.0047	9.0	9.0	5.0	6.5	0.6	K6L2A472*****	0.0047	10.0	10.5	6.5	6.5	0.6	K6L2C472*****
0.0051	9.0	9.5	5.5	6.5	0.6	K6L2A512*****	0.0051	12.0	10.0	5.5	8.5	0.6	K6L2C512*****
0.0056	9.0	9.5	5.5	6.5	0.6	K6L2A562*****	0.0056	12.0	10.5	5.5	8.5	0.6	K6L2C562*****
0.0062	9.0	9.5	6.0	6.5	0.6	K6L2A622*****	0.0062	12.0	10.5	6.0	8.5	0.6	K6L2C622*****
0.0068	9.0	10.0	6.0	6.5	0.6	K6L2A682*****	0.0068	12.0	10.5	6.0	8.5	0.6	K6L2C682*****
0.0075	10.0	9.5	6.0	7.5	0.6	K6L2A752*****	0.0075	12.0	11.0	6.0	8.5	0.6	K6L2C752*****
0.0082	10.0	10.0	6.0	7.5	0.6	K6L2A822*****	0.0082	12.0	11.0	6.5	8.5	0.6	K6L2C822*****
0.0091	10.0	10.0	6.0	7.5	0.6	K6L2A912*****	0.0091	12.0	11.0	6.5	8.5	0.6	K6L2C912*****
0.010	10.0	10.5	6.5	7.5	0.6	K6L2A103*****	0.010	12.0	11.5	6.5	8.5	0.6	K6L2C103*****
0.012	10.0	11.0	7.0	7.5	0.6	K6L2A123*****	0.012	12.0	12.0	7.0	8.5	0.6	K6L2C123*****
0.015	12.0	10.5	6.5	8.5	0.6	K6L2A153*****	0.015	12.0	12.5	7.5	8.5	0.6	K6L2C153*****
0.016	12.0	10.5	6.5	8.5	0.6	K6L2A163*****	0.016	12.0	12.5	8.0	8.5	0.6	K6L2C163*****
0.018	12.0	10.5	7.0	8.5	0.6	K6L2A183*****	0.018	12.0	13.0	8.0	8.5	0.6	K6L2C183*****
0.020	12.0	11.0	7.0	8.5	0.6	K6L2A203*****	0.020	15.0	12.0	7.0	11.0	0.6	K6L2C203*****
0.022	12.0	11.0	7.5	8.5	0.6	K6L2A223*****	0.022	15.0	12.5	7.0	11.0	0.6	K6L2C223*****
0.024	12.0	11.5	7.5	8.5	0.6	K6L2A243*****	0.024	15.0	12.5	7.0	11.0	0.6	K6L2C243*****
0.027	12.0	12.0	8.0	8.5	0.6	K6L2A273*****	0.027	15.0	12.5	7.5	11.0	0.6	K6L2C273*****
0.030	13.5	11.5	6.5	10.0	0.6	K6L2A303*****	0.030	17.0	12.0	7.0	13.0	0.6	K6L2C303*****
0.033	13.5	11.5	7.0	10.0	0.6	K6L2A333*****	0.033	17.0	12.5	7.5	13.0	0.6	K6L2C333*****
0.036	13.5	12.0	7.0	10.0	0.6	K6L2A363*****	0.036	17.0	12.5	7.5	13.0	0.6	K6L2C363*****
0.039	13.5	12.0	7.5	10.0	0.6	K6L2A393*****	0.039	17.0	13.0	7.5	13.0	0.6	K6L2C393*****
0.043	13.5	12.5	7.5	10.0	0.6	K6L2A433*****	0.043	17.0	13.0	8.0	13.0	0.6	K6L2C433*****
0.047	13.5	12.5	8.0	10.0	0.6	K6L2A473*****	0.047	17.0	13.5	8.5	13.0	0.6	K6L2C473*****
0.051	13.5	13.0	8.0	10.0	0.6	K6L2A513*****	0.051	17.0	14.0	8.5	13.0	0.6	K6L2C513*****
0.056	13.5	13.0	8.5	10.0	0.6	K6L2A563*****	0.056	17.0	14.0	9.0	13.0	0.6	K6L2C563*****
0.062	17.0	12.5	7.5	13.0	0.6	K6L2A623*****	0.062	17.0	14.5	9.0	13.0	0.6	K6L2C623*****
0.068	17.0	13.0	7.5	13.0	0.6	K6L2A683*****	0.068	17.0	15.0	9.5	13.0	0.6	K6L2C683*****
0.075	17.0	13.0	8.0	13.0	0.6	K6L2A753*****	0.075	22.5	13.5	8.0	19.0	0.8	K6L2C753*****
0.082	17.0	13.5	8.0	13.0	0.6	K6L2A823*****	0.082	22.5	13.5	8.5	19.0	0.8	K6L2C823*****
0.091	17.0	14.0	8.5	13.0	0.6	K6L2A913*****	0.091	22.5	14.0	9.0	19.0	0.8	K6L2C913*****
0.10	17.0	14.0	8.5	13.0	0.6	K6L2A104*****	0.10	22.5	14.5	9.0	19.0	0.8	K6L2C104*****

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.

CBB13 series / Polypropylene film/foil capacitor (Non-inductive)

Electrical Specification & Part Numbers Reference 规格型号参考 (mm)

Cap. (μF)	200VDC					Part Number	Cap. (μF)	250VDC					Part Number
	W	H	T	P	d			W	H	T	P	d	
0.0010	14.5	10.0	6.0	11.0	0.6	K6L2D102*****	0.0010	12.0	9.5	5.5	8.5	0.6	K6L2 E102*****
0.0012	14.5	10.5	6.5	11.0	0.6	K6L2D122*****	0.0012	12.0	10.0	6.0	8.5	0.6	K6L2 E122*****
0.0015	14.5	10.5	6.5	11.0	0.6	K6L2D152*****	0.0015	12.0	10.0	6.5	8.5	0.6	K6L2 E152*****
0.0016	14.5	10.5	6.0	11.0	0.6	K6L2D162*****	0.0016	12.0	10.5	6.5	8.5	0.6	K6L2 E162*****
0.0018	14.5	11.0	6.0	11.0	0.6	K6L2D182*****	0.0018	12.0	10.5	6.5	8.5	0.6	K6L2 E182*****
0.0020	14.5	11.0	6.5	11.0	0.6	K6L2D202*****	0.0020	12.0	9.5	5.5	8.5	0.6	K6L2E202*****
0.0022	14.5	11.0	6.5	11.0	0.6	K6L2D222*****	0.0022	12.0	9.5	5.5	8.5	0.6	K6L2E222*****
0.0024	14.5	11.5	6.5	11.0	0.6	K6L2D242*****	0.0024	12.0	9.5	5.5	8.5	0.6	K6L2E242*****
0.0027	14.5	11.5	7.0	11.0	0.6	K6L2D272*****	0.0027	12.0	10.0	6.0	8.5	0.6	K6L2E272*****
0.0030	14.5	11.5	7.0	11.0	0.6	K6L2D302*****	0.0030	12.0	10.0	6.0	8.5	0.6	K6L2E302*****
0.0033	14.5	12.0	7.0	11.0	0.6	K6L2D332*****	0.0033	12.0	10.0	6.0	8.5	0.6	K6L2E332*****
0.0036	14.5	12.0	7.5	11.0	0.6	K6L2D362*****	0.0036	12.0	10.5	6.5	8.5	0.6	K6L2E362*****
0.0039	14.5	12.5	7.5	11.0	0.6	K6L2D392*****	0.0039	12.0	10.5	6.5	8.5	0.6	K6L2E392*****
0.0043	14.5	12.5	8.0	11.0	0.6	K6L2D432*****	0.0043	12.0	10.0	6.0	8.5	0.6	K6L2E432*****
0.0047	14.5	13.0	8.0	11.0	0.6	K6L2D472*****	0.0047	12.0	10.0	6.0	8.5	0.6	K6L2E472*****
0.0051	18.0	11.5	6.5	14.0	0.6	K6L2D512*****	0.0051	12.0	10.5	6.5	8.5	0.6	K6L2E512*****
0.0056	18.0	12.0	6.5	14.0	0.6	K6L2D562*****	0.0056	12.0	10.5	6.5	8.5	0.6	K6L2E562*****
0.0062	18.0	12.0	7.0	14.0	0.6	K6L2D622*****	0.0062	12.0	10.5	7.0	8.5	0.6	K6L2E622*****
0.0068	18.0	12.5	7.0	14.0	0.6	K6L2D682*****	0.0068	12.0	11.0	7.0	8.5	0.6	K6L2E682*****
0.0075	18.0	12.5	7.5	14.0	0.6	K6L2D752*****	0.0075	13.5	10.5	6.5	10.0	0.6	K6L2E752*****
0.0082	18.0	13.0	7.5	14.0	0.6	K6L2D822*****	0.0082	13.5	10.5	6.5	10.0	0.6	K6L2E822*****
0.0091	18.0	14.0	7.5	14.0	0.6	K6L2D912*****	0.0091	13.5	10.5	6.5	10.0	0.6	K6L2E912*****
0.010	18.0	14.5	7.5	14.0	0.6	K6L2D103*****	0.010	13.5	11.0	7.0	10.0	0.6	K6L2E103*****
0.012	18.0	15.0	8.0	14.0	0.6	K6L2D123*****	0.012	18.0	11.0	6.0	14.0	0.6	K6L2E123*****
0.015	18.0	11.0	6.0	14.0	0.6	K6L2D153*****	0.015	18.0	11.5	6.0	14.0	0.6	K6L2E153*****
0.016	18.0	11.0	6.0	14.0	0.6	K6L2D163*****	0.016	18.0	11.5	6.5	14.0	0.6	K6L2E163*****
0.018	18.0	11.5	6.0	14.0	0.6	K6L2D183*****	0.018	18.0	11.5	6.5	14.0	0.6	K6L2E183*****
0.020	18.0	11.5	6.5	14.0	0.6	K6L2D203*****	0.020	18.0	12.0	6.5	14.0	0.6	K6L2E203*****
0.022	18.0	11.5	6.5	14.0	0.6	K6L2D223*****	0.022	18.0	12.0	7.0	14.0	0.6	K6L2E223*****
0.024	18.0	12.0	6.5	14.0	0.6	K6L2D243*****	0.024	18.0	13.5	6.5	14.0	0.6	K6L2E243*****
0.027	18.0	13.5	6.5	14.0	0.6	K6L2D273*****	0.027	18.0	13.5	7.0	14.0	0.6	K6L2E273*****
0.030	18.0	13.5	6.5	14.0	0.6	K6L2D303*****	0.030	18.0	14.0	7.0	14.0	0.6	K6L2E303*****
0.033	18.0	13.5	7.0	14.0	0.6	K6L2D333*****	0.033	18.0	14.0	7.5	14.0	0.6	K6L2E333*****
0.036	18.0	14.0	7.0	14.0	0.6	K6L2D363*****	0.036	18.0	14.5	7.5	14.0	0.6	K6L2E363*****
0.039	18.0	14.5	7.5	14.0	0.6	K6L2D393*****	0.039	18.0	14.5	8.0	14.0	0.6	K6L2E393*****
0.043	18.0	14.5	7.5	14.0	0.6	K6L2D433*****	0.043	18.0	15.0	8.0	14.0	0.6	K6L2E433*****
0.047	18.0	14.5	8.0	14.0	0.6	K6L2D473*****	0.047	18.0	15.5	8.5	14.0	0.6	K6L2E473*****
0.051	22.5	14.0	7.0	19.0	0.8	K6L2D513*****	0.051	22.5	15.5	7.5	19.0	0.8	K6L2E513*****
0.056	22.5	14.0	7.5	19.0	0.8	K6L2D563*****	0.056	22.5	16.0	8.0	19.0	0.8	K6L2E563*****
0.062	22.5	15.5	7.5	19.0	0.8	K6L2D623*****	0.062	22.5	16.0	8.5	19.0	0.8	K6L2E623*****
0.068	22.5	16.0	7.5	19.0	0.8	K6L2D683*****	0.068	22.5	16.5	8.5	19.0	0.8	K6L2E683*****
0.075	22.5	16.0	8.0	19.0	0.8	K6L2D753*****	0.075	22.5	17.0	9.0	19.0	0.8	K6L2E753*****
0.082	22.5	16.5	8.0	19.0	0.8	K6L2D823*****	0.082	22.5	17.0	9.5	19.0	0.8	K6L2E823*****
0.091	22.5	17.0	8.5	19.0	0.8	K6L2D913*****	0.091	22.5	17.5	9.5	19.0	0.8	K6L2E913*****
0.10	22.5	17.0	9.0	19.0	0.8	K6L2D104*****	0.10	22.5	18.0	10.0	19.0	0.8	K6L2E104*****

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.

CBB13 series / Polypropylene film/foil capacitor (Non-inductive)

Electrical Specification & Part Numbers Reference 规格型号参考 (mm)

Cap. (μF)	400VDC					Part Number
	W	H	T	P	d	
0.0010	13.5	10.0	6.0	10.0	0.6	K6L2G102*****
0.0012	13.5	10.5	6.5	10.0	0.6	K6L2G122*****
0.0015	13.5	10.5	6.5	10.0	0.6	K6L2G152*****
0.0016	13.5	10.0	6.0	10.0	0.6	K6L2G162*****
0.0018	13.5	10.0	6.5	10.0	0.6	K6L2G182*****
0.0020	13.5	9.0	5.5	10.0	0.6	K6L2G202*****
0.0022	13.5	9.5	5.5	10.0	0.6	K6L2G222*****
0.0024	13.5	9.5	5.5	10.0	0.6	K6L2G242*****
0.0027	13.5	9.5	5.5	10.0	0.6	K6L2G272*****
0.0030	13.5	9.5	6.0	10.0	0.6	K6L2G302*****
0.0033	13.5	10.0	6.0	10.0	0.6	K6L2G332*****
0.0036	15.0	11.0	5.5	11.0	0.6	K6L2G362*****
0.0039	15.0	11.0	6.0	11.0	0.6	K6L2G392*****
0.0043	15.0	11.0	6.0	11.0	0.6	K6L2G432*****
0.0047	15.0	11.5	6.0	11.0	0.6	K6L2G472*****
0.0051	15.0	11.5	6.5	11.0	0.6	K6L2G512*****
0.0056	15.0	11.5	6.5	11.0	0.6	K6L2G562*****
0.0062	15.0	12.0	6.5	11.0	0.6	K6L2G622*****
0.0068	15.0	12.0	7.0	11.0	0.6	K6L2G682*****
0.0075	15.0	12.0	7.0	11.0	0.6	K6L2G752*****
0.0082	15.0	12.5	7.0	11.0	0.6	K6L2G822*****
0.0091	15.0	12.5	7.5	11.0	0.6	K6L2G912*****
0.010	15.0	13.0	8.0	11.0	0.6	K6L2G103*****

Cap. (μF)	800VDC					Part Number
	W	H	T	P	d	
0.0010	14.5	10.0	6.0	11.0	0.6	K6L2K102*****
0.0012	14.5	10.0	6.0	11.0	0.6	K6L2K122*****
0.0015	14.5	10.5	6.5	11.0	0.6	K6L2K152*****
0.0016	14.5	10.5	6.5	11.0	0.6	K6L2K162*****
0.0018	14.5	11.0	7.0	11.0	0.6	K6L2K182*****
0.0020	16.0	11.0	6.5	12.5	0.6	K6L2K202*****
0.0022	16.0	11.5	6.5	12.5	0.6	K6L2K222*****
0.0024	16.0	11.5	6.5	12.5	0.6	K6L2K242*****
0.0027	16.0	11.5	7.0	12.5	0.6	K6L2K272*****
0.0030	16.0	12.0	7.0	12.5	0.6	K6L2K302*****
0.0033	16.0	12.0	7.5	12.5	0.6	K6L2K332*****
0.0036	16.0	12.5	7.5	12.5	0.6	K6L2K362*****
0.0039	16.0	12.5	8.0	12.5	0.6	K6L2K392*****
0.0043	18.0	12.5	7.5	14.0	0.6	K6L2K432*****
0.0047	18.0	13.0	7.5	14.0	0.6	K6L2K472*****
0.0051	18.0	13.0	8.0	14.0	0.6	K6L2K512*****
0.0056	18.0	13.5	8.0	15.0	0.8	K6L2K562*****
0.0062	18.0	14.5	8.0	15.0	0.8	K6L2K622*****
0.0068	18.0	15.0	8.0	15.0	0.8	K6L2K682*****
0.0075	18.0	15.5	8.5	15.0	0.8	K6L2K752*****
0.0082	18.0	15.5	8.5	15.0	0.8	K6L2K822*****
0.0091	22.5	14.5	8.0	19.0	0.8	K6L2K912*****
0.010	22.5	15.0	8.0	19.0	0.8	K6L2K103*****

Cap. (μF)	630VDC					Part Number
	W	H	T	P	d	
0.0010	14.5	10.0	6.0	11.0	0.6	K6L2J102*****
0.0012	14.5	10.5	6.5	11.0	0.6	K6L2J122*****
0.0015	14.5	10.5	6.5	11.0	0.6	K6L2J152*****
0.0016	14.5	10.5	6.0	11.0	0.6	K6L2J162*****
0.0018	14.5	11.0	6.0	11.0	0.6	K6L2J182*****
0.0020	14.5	11.0	6.5	11.0	0.6	K6L2J202*****
0.0022	14.5	11.0	6.5	11.0	0.6	K6L2J222*****
0.0024	14.5	11.5	6.5	11.0	0.6	K6L2J242*****
0.0027	14.5	11.5	7.0	11.0	0.6	K6L2J272*****
0.0030	14.5	11.5	7.0	11.0	0.6	K6L2J302*****
0.0033	14.5	12.0	7.0	11.0	0.6	K6L2J332*****
0.0036	14.5	12.0	7.5	11.0	0.6	K6L2J362*****
0.0039	14.5	12.5	7.5	11.0	0.6	K6L2J392*****
0.0043	14.5	12.5	8.0	11.0	0.6	K6L2J432*****
0.0047	14.5	13.0	8.0	11.0	0.6	K6L2J472*****
0.0051	18.0	11.5	6.5	14.0	0.6	K6L2J512*****
0.0056	18.0	12.0	6.5	14.0	0.6	K6L2J562*****
0.0062	18.0	12.0	7.0	14.0	0.6	K6L2J622*****
0.0068	18.0	12.5	7.0	14.0	0.6	K6L2J682*****
0.0075	18.0	12.5	7.5	14.0	0.6	K6L2J752*****
0.0082	18.0	13.0	7.5	14.0	0.6	K6L2J822*****
0.0091	18.0	14.0	7.5	14.0	0.6	K6L2J912*****
0.010	18.0	14.5	7.5	14.0	0.6	K6L2J103*****

备注：

1. "*****" = capacitance tolerance code, Pitch, Lead form and packaging code, Lead form and Lead diameter.

"*****" 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，引线线径。

2. Customization for special specification and requirement is available.