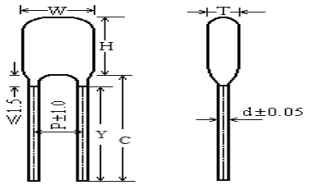
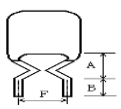
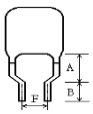
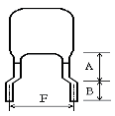
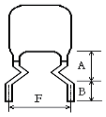
金属化聚丙烯膜电容器(浸渍型)

Metallized polypropylene film capacitor(dipped)

■ 外形图 Outline Drawing



Forming Lead Shapes			
I	II	III	IV
			
P ≥ F		P < F	
0mm≤P-F≤3mm	3mm<P-F≤8mm	3mm<F-P≤5mm	0mm<F-P≤3mm
F±1.0mm; A≤5.0mm; B=4.5±0.5mm			

■ 特点

- 金属化聚丙烯
- 高频损耗小
- 内部温升小
- 阻燃环氧粉末包封（UL94/V-0）

■ Features

- metallized polypropylene structure
- Low loss at high frequency
- Small inherent temperature rise
- Flame retardant epoxy resin powder coating（UL94/V-0）

■ 主要用途

- 广泛应用于高频、直流、交流和脉冲电路中
- 适用于要求体积小，性能优异的彩电 S 校正电路
- 专为大屏幕显视器及彩电的 S 校正电路设计
- 适用于各种高频、大电流场合

■ Typical application

- Widely used in high frequency, DC,AC and pulse circuits
- Providing optimum performance with small size in S-correction circuits for colour TV set
- Specially designed for S-correction circuits of large screen monitor and colour TV
- Suitable for the situation where applies high frequency and high current pulse

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14579(IEC 60384-17)
气候类别 Climatic Category	40/105/21
额定温度 Rated Temperature	85℃
工作温度 Operating Temperature Range	-40℃~105℃ (+85℃ to +105℃：decreasing factor 1.25% per ℃ for V_R(dc))
额定电压 Rated Voltage	100/160V、200/250V、400V、630V、1000V/1250V
电容量范围 Capacitance Range	0.001～10μF
电容量偏差 Capacitance Tolerance	±5%(J)， ±10%(K)， ±20%(M)
耐电压 Voltage Proof	1.6U_R (5s)
损耗角正切 Dissipation Factor	≤10×10^{-4}(1kHz，20℃)
绝缘电阻 Insulation Resistance	≥50 000MΩ，C_R≤0.33μF； ≥15 000s，C_R>0.33μF (20℃，100V,1min)

产品编码说明 Part number system

■18 位产品代码如下：

The 18 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	3	1															

第 1~3 位　薄膜电容器系列代码
C31= CBB21

Digit 1 to 3　Series code of film capacitor
C31= CBB21

第 4~5 位　直流额定电压
2A=100V　2C=160V　2D=200V　2E=250V
2G=400V　2J=630V　3A=1000V　3B=1250V

Digit 4 to 5　D.C. rated voltage
2A=100V　2C=160V　2D=200V　2E=250V
2G=400V　2J=630V　3A=1000V　3B=1250V

第 6~8 位　标称容量
举例：$103=10\times10^{3}pF=0.01\ \mu F$

Digit 6 to 8　Rated capcitance value
for example: $103=10\times10^{3}pF=0.01\ \mu F$

第 9 位　容量偏差
J=±5%, K=±10%, M=±20%

Digit 9　Capacitance tolerance
J=±5%, K=±10%, M=±20%

第 10 位　引线脚距 P
3=7.5mm　4=10.0mm　5=12.5mm　6=15.0mm
8=20.0mm　9=22.5mm　A=25.0mm　C=30.0mm

Digit 10　Pitch
3=7.5mm　4=10.0mm　5=12.5mm　6=15.0mm
8=20.0mm　9=22.5mm　A=25.0mm　C=30.0mm

第 11 位　内部特征码
S=Ⅱ型

Digit 11　Internal use
S=Pattern Ⅱ

第 12~15 位　引线加工和包装代码

Digit 12 to 15　Lead form and packaging code

第 16~18 位　内部特征码

Digit 16 to 18　Internal use

■Table 1　引线加工和包装代码 lead form and packaging code

第 12 位　Digit 12		第 13 位 Digit 13		第 14 位 Digit 14		第 15 位　Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
A	弹带包装 ammo-pack	3 4 6	F=7.5mm F=10.0mm F=15.0mm	1	表示弯脚 kinked	A	产品在连续的两个载带孔之间 each cap. between two consecutive holes P3=12.7mm,H=20.0mm (For pitch=7.5mm)
						B	载带孔在产品的引线之间 each hole between two leads of a cap. P3=12.7mm,H=20.0mm (For pitch=10.0mm)
						E	P3=25.4mm;H=20.0mm (For pitch=15.0mm)
							(Detail parameter refer to pag 16)
F	引线成型 lead kinked	4 6 7 8 9	F=10.0mm F=15.0mm F=17.5mm F=20.0mm F=22.5mm	0	B=4.5mm (The length of B)	0	B 的长度偏差±0.5mm B Length tolerance ±0.5mm
Y	直脚 straight lead "Y" in the figure above	代码 Code	说明 explanation			0	引线长度偏差±0.5mm Length tolerance ±0.5mm
		45	引线长度 4.5mm lead length 4.5mm				
第 12-15 位代码为"C000"表示标准的引线长度(20mm～30mm) Digit12-15 code "C000" means standard lead length (20mm～30mm)							

■ 外形尺寸 Dimensions(mm)

Pattern II（Reduced sizes）

100Vdc(63Vac)/250Vdc(160Vac)#							400Vdc(200Vac)						
容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number
0.010	9.3	7.7	4.0	7.5	0.6	C312A103-3S****+++	0.010	9.3	7.8	4.1	7.5	0.6	C312G103-3S****+++
0.011	9.3	7.8	4.2	7.5	0.6	C312A113-3S****+++	0.011	9.3	7.9	4.2	7.5	0.6	C312G113-3S****+++
0.012	9.3	7.9	4.3	7.5	0.6	C312A123-3S****+++	0.012	9.3	8.0	4.4	7.5	0.6	C312G123-3S****+++
0.013	9.3	8.0	4.4	7.5	0.6	C312A133-3S****+++	0.013	9.3	8.1	4.5	7.5	0.6	C312G133-3S****+++
0.015	9.3	7.8	4.2	7.5	0.6	C312A153-3S****+++	0.015	9.3	8.4	4.7	7.5	0.6	C312G153-3S****+++
0.016	9.3	7.9	4.3	7.5	0.6	C312A163-3S****+++	0.016	9.3	8.5	4.8	7.5	0.6	C312G163-3S****+++
0.018	9.3	8.1	4.4	7.5	0.6	C312A183-3S****+++	0.018	9.3	8.7	5.0	7.5	0.6	C312G183-3S****+++
0.020	9.3	8.2	4.6	7.5	0.6	C312A203-3S****+++	0.020	9.3	8.9	5.3	7.5	0.6	C312G203-3S****+++
0.022	9.3	8.4	4.8	7.5	0.6	C312A223-3S****+++	0.022	9.3	9.1	5.5	7.5	0.6	C312G223-3S****+++
0.024	9.3	8.6	4.9	7.5	0.6	C312A243-3S****+++	0.024	11.8	8.0	4.3	10.0	0.6	C312G243-4S****+++
0.027	9.3	7.6	4.0	7.5	0.6	C312A273-3S****+++	0.027	11.8	8.1	4.5	10.0	0.6	C312G273-4S****+++
0.030	9.3	7.7	4.1	7.5	0.6	C312A303-3S****+++	0.030	11.8	8.3	4.7	10.0	0.6	C312G303-4S****+++
0.033	9.3	7.9	4.2	7.5	0.6	C312A333-3S****+++	0.033	11.8	8.5	4.8	10.0	0.6	C312G333-4S****+++
0.036	9.3	8.0	4.4	7.5	0.6	C312A363-3S****+++	0.036	11.8	8.6	5.0	10.0	0.6	C312G363-4S****+++
0.039	9.3	8.1	4.5	7.5	0.6	C312A393-3S****+++	0.039	11.8	8.7	5.0	10.0	0.6	C312G393-4S****+++
0.043	9.3	8.3	4.7	7.5	0.6	C312A433-3S****+++	0.043	11.8	8.8	5.2	10.0	0.6	C312G433-4S****+++
0.047	9.3	8.5	4.8	7.5	0.6	C312A473-3S****+++	0.047	11.8	9.0	5.4	10.0	0.6	C312G473-4S****+++
0.051	11.8	8.0	4.3	10.0	0.6	C312A513-4S****+++	0.051	11.8	9.2	5.6	10.0	0.6	C312G513-4S****+++
0.056	11.8	8.1	4.5	10.0	0.6	C312A563-4S****+++	0.056	11.8	9.4	5.8	10.0	0.6	C312G563-4S****+++
0.062	11.8	8.3	4.6	10.0	0.6	C312A623-4S****+++	0.062	11.8	8.9	5.2	10.0	0.6	C312G623-4S****+++
0.068	11.8	8.5	4.8	10.0	0.6	C312A683-4S****+++	0.068	11.8	9.1	5.4	10.0	0.6	C312G683-4S****+++
0.075	11.8	8.6	5.0	10.0	0.6	C312A753-4S****+++	0.075	11.8	9.3	5.7	10.0	0.6	C312G753-4S****+++
0.082	11.8	8.8	5.2	10.0	0.6	C312A823-4S****+++	0.082	11.8	9.5	5.9	10.0	0.6	C312G823-4S****+++
0.091	11.8	8.1	4.5	10.0	0.6	C312A913-4S****+++	0.091	11.8	9.8	6.1	10.0	0.6	C312G913-4S****+++
0.10	11.8	8.3	4.7	10.0	0.6	C312A104-4S****+++	0.10	11.8	10.0	6.4	10.0	0.6	C312G104-4S****+++
0.11	11.8	8.5	4.8	10.0	0.6	C312A114-4S****+++	0.11	11.8	10.3	6.6	10.0	0.6	C312G114-4S****+++
0.12	11.8	8.6	5.0	10.0	0.6	C312A124-4S****+++	0.12	17.0	10.7	5.5	15.0	0.6	C312G124-6S****+++
0.13	11.8	8.6	4.9	10.0	0.6	C312A134-4S****+++	0.13	17.0	10.9	5.7	15.0	0.6	C312G134-6S****+++
0.15	11.8	8.9	5.2	10.0	0.6	C312A154-4S****+++	0.15	17.0	11.2	6.0	15.0	0.6	C312G154-6S****+++
0.16	11.8	9.0	5.4	10.0	0.6	C312A164-4S****+++	0.16	17.0	11.3	6.1	15.0	0.6	C312G164-6S****+++
0.18	11.8	9.3	5.6	10.0	0.6	C312A184-4S****+++	0.18	17.0	11.6	6.4	15.0	0.6	C312G184-6S****+++
0.20	11.8	9.5	5.9	10.0	0.6	C312A204-4S****+++	0.20	17.0	11.9	6.7	15.0	0.6	C312G204-6S****+++
0.22	11.8	9.8	6.1	10.0	0.6	C312A224-4S****+++	0.22	17.0	12.2	7.0	15.0	0.6	C312G224-6S****+++
0.24	11.8	10.0	6.4	10.0	0.6	C312A244-4S****+++	0.24	17.0	12.5	7.3	15.0	0.6	C312G244-6S****+++
0.27	17.0	10.5	5.3	15.0	0.6	C312A274-6S****+++	0.27	17.0	12.9	7.6	15.0	0.8	C312G274-6S****+++
0.30	17.0	10.8	5.5	15.0	0.6	C312A304-6S****+++	0.30	17.0	13.2	8.0	15.0	0.8	C312G304-6S****+++
0.33	17.0	11.0	5.8	15.0	0.6	C312A334-6S****+++	0.33	17.0	13.6	8.4	15.0	0.8	C312G334-6S****+++
0.36	17.0	11.2	6.0	15.0	0.6	C312A364-6S****+++	0.36	17.0	13.9	8.7	15.0	0.8	C312G364-6S****+++
0.39	17.0	11.4	6.2	15.0	0.6	C312A394-6S****+++	0.39	17.0	14.2	9.0	15.0	0.8	C312G394-6S****+++
0.43	17.0	11.6	6.4	15.0	0.6	C312A434-6S****+++	0.43	17.0	14.6	9.4	15.0	0.8	C312G434-6S****+++
0.47	17.0	11.9	6.6	15.0	0.6	C312A474-6S****+++	0.47	17.0	15.0	9.8	15.0	0.8	C312G474-6S****+++
0.51	17.0	12.1	6.9	15.0	0.6	C312A514-6S****+++	0.51	24.7	14.3	7.6	22.5	0.8	C312G514-9S****+++
0.56	17.0	12.4	7.2	15.0	0.6	C312A564-6S****+++	0.56	24.7	14.7	7.9	22.5	0.8	C312G564-9S****+++
0.62	17.0	12.7	7.5	15.0	0.8	C312A624-6S****+++	0.62	24.7	15.1	8.3	22.5	0.8	C312G624-9S****+++
0.68	17.0	13.0	7.8	15.0	0.8	C312A684-6S****+++	0.68	24.7	15.4	8.6	22.5	0.8	C312G684-9S****+++
0.75	17.0	13.4	8.2	15.0	0.8	C312A754-6S****+++	0.75	24.7	15.8	9.1	22.5	0.8	C312G754-9S****+++
0.82	17.0	13.7	8.5	15.0	0.8	C312A824-6S****+++	0.82	24.7	16.2	9.5	22.5	0.8	C312G824-9S****+++
0.91	17.0	14.1	8.9	15.0	0.8	C312A914-6S****+++	0.91	24.7	16.7	10.0	22.5	0.8	C312G914-9S****+++
1.0	17.0	14.5	9.3	15.0	0.8	C312A105-6S****+++	1.0	24.7	17.2	10.4	22.5	0.8	C312G105-9S****+++
1.1	17.0	15.0	9.7	15.0	0.8	C312A115-6S****+++							
1.2	24.7	14.3	7.5	22.5	0.8	C312A125-9S****+++							
1.3	24.7	14.6	7.8	22.5	0.8	C312A135-9S****+++							
1.5	24.7	15.1	8.3	22.5	0.8	C312A155-9S****+++							
1.6	24.7	15.4	8.6	22.5	0.8	C312A165-9S****+++							
1.8	24.7	15.9	9.1	22.5	0.8	C312A185-9S****+++							
2.0	24.7	16.4	9.6	22.5	0.8	C312A205-9S****+++							
2.2	24.7	17.8	9.4	22.5	0.8	C312A225-9S****+++							
2.4	24.7	18.2	9.9	22.5	0.8	C312A245-9S****+++							
2.7	24.7	18.8	10.5	22.5	0.8	C312A275-9S****+++							
3.0	24.7	19.4	11.1	22.5	0.8	C312A305-9S****+++							
3.3	24.7	20.0	11.6	22.5	0.8	C312A335-9S****+++							

备注：1. “-”表示容量偏差。 “-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%

2. “****”表示引线加工和包装代码（见表 1）。 “****”=lead form and packing code（refer to table 1）

3. “#”当额定电压为 250VDC 时，第 4~5 位是 2E。 “#”when the rated voltage is 250VDC,the digit 4~5 is 2E.

■ 外形尺寸 Dimensions(mm)

Pattern II（Reduced sizes）

630Vdc(220Vac)@							630Vdc(220Vac)@							1 000/1 250Vdc#(400Vac)						
容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number
0.0010	9.5	7.9	4.3	7.5	0.6	C312J102-3S****+++	0.027	11.8	9.4	5.7	10.0	0.6	C312J273-4S****+++	0.0010	9.5	7.9	4.3	7.5	0.6	C313A102-3S****+++
0.0011	9.5	8.1	4.4	7.5	0.6	C312J112-3S****+++	0.030	11.8	9.6	6.0	10.0	0.6	C312J303-4S****+++	0.0011	9.5	8.1	4.4	7.5	0.6	C313A112-3S****+++
0.0012	9.5	8.2	4.5	7.5	0.6	C312J122-3S****+++	0.033	11.8	9.9	6.2	10.0	0.6	C312J333-4S****+++	0.0012	9.5	8.2	4.5	7.5	0.6	C313A122-3S****+++
0.0013	9.5	8.3	4.7	7.5	0.6	C312J132-3S****+++	0.036	11.8	10.1	6.4	10.0	0.6	C312J363-4S****+++	0.0013	9.5	8.3	4.7	7.5	0.6	C313A132-3S****+++
0.0015	9.5	8.1	4.4	7.5	0.6	C312J152-3S****+++	0.039	11.8	10.3	6.7	10.0	0.6	C312J393-4S****+++	0.0015	9.5	8.1	4.4	7.5	0.6	C313A152-3S****+++
0.0016	9.5	8.2	4.5	7.5	0.6	C312J162-3S****+++	0.043	17.0	10.7	5.4	15.0	0.6	C312J433-6S****+++	0.0016	9.5	8.2	4.5	7.5	0.6	C313A162-3S****+++
0.0018	9.5	7.8	4.2	7.5	0.6	C312J182-3S****+++	0.047	17.0	10.8	5.6	15.0	0.6	C312J473-6S****+++	0.0018	9.5	7.8	4.2	7.5	0.6	C313A182-3S****+++
0.0020	9.5	8.0	4.3	7.5	0.6	C312J202-3S****+++	0.051	17.0	11.0	5.8	15.0	0.6	C312J513-6S****+++	0.0020	9.5	8.0	4.3	7.5	0.6	C313A202-3S****+++
0.0022	9.5	8.1	4.5	7.5	0.6	C312J222-3S****+++	0.056	17.0	11.2	6.0	15.0	0.6	C312J563-6S****+++	0.0022	9.5	8.1	4.5	7.5	0.6	C313A222-3S****+++
0.0024	9.3	8.0	4.3	7.5	0.6	C312J242-3S****+++	0.062	17.0	11.4	6.2	15.0	0.6	C312J623-6S****+++	0.0024	9.5	7.7	4.0	7.5	0.6	C313A242-3S****+++
0.0027	9.3	8.1	4.5	7.5	0.6	C312J272-3S****+++	0.068	17.0	11.7	6.5	15.0	0.6	C312J683-6S****+++	0.0027	9.5	7.8	4.2	7.5	0.6	C313A272-3S****+++
0.0030	9.3	8.3	4.7	7.5	0.6	C312J302-3S****+++	0.075	17.0	11.9	6.7	15.0	0.6	C312J753-6S****+++	0.0030	9.5	8.0	4.4	7.5	0.6	C313A302-3S****+++
0.0033	9.3	8.5	4.8	7.5	0.6	C312J332-3S****+++	0.082	17.0	12.2	7.0	15.0	0.6	C312J823-6S****+++	0.0033	9.5	8.2	4.5	7.5	0.6	C313A332-3S****+++
0.0036	9.3	8.0	4.4	7.5	0.6	C312J362-3S****+++	0.091	17.0	12.5	7.3	15.0	0.6	C312J913-6S****+++	0.0036	9.5	8.3	4.7	7.5	0.6	C313A362-3S****+++
0.0039	9.3	8.2	4.5	7.5	0.6	C312J392-3S****+++	0.10	17.0	12.8	7.6	15.0	0.8	C312J104-6S****+++	0.0039	9.5	8.4	4.8	7.5	0.6	C313A392-3S****+++
0.0043	9.3	8.3	4.7	7.5	0.6	C312J432-3S****+++	0.11	17.0	13.1	7.9	15.0	0.8	C312J114-6S****+++	0.0043	11.5	8.2	4.5	7.5	0.6	C313A432-3S****+++
0.0047	9.3	8.5	4.9	7.5	0.6	C312J472-3S****+++	0.12	17.0	13.4	8.2	15.0	0.8	C312J124-6S****+++	0.0047	11.5	8.3	4.7	7.5	0.6	C313A472-3S****+++
0.0051	9.3	8.6	5.0	7.5	0.6	C312J512-3S****+++	0.13	17.0	13.7	8.5	15.0	0.8	C312J134-6S****+++	0.0051	11.5	8.5	4.8	7.5	0.6	C313A512-3S****+++
0.0056	9.3	8.8	5.2	7.5	0.6	C312J562-3S****+++	0.15	17.0	14.2	9.0	15.0	0.8	C312J154-6S****+++	0.0056	11.5	8.7	5.0	7.5	0.6	C313A562-3S****+++
0.0062	9.3	9.0	5.4	7.5	0.6	C312J622-3S****+++	0.16	17.0	14.5	9.3	15.0	0.8	C312J164-6S****+++	0.0062	11.5	8.7	5.0	7.5	0.6	C313A622-3S****+++
0.0068	11.8	8.0	4.4	10.0	0.6	C312J682-4S****+++	0.18	17.0	15.0	9.8	15.0	0.8	C312J184-6S****+++	0.0068	11.5	8.9	5.2	10.0	0.6	C313A682-4S****+++
0.0075	11.8	8.2	4.5	10.0	0.6	C312J752-4S****+++	0.20	17.0	15.5	10.3	15.0	0.8	C312J204-6S****+++	0.0075	11.5	9.1	5.4	10.0	0.6	C313A752-4S****+++
0.0082	11.8	8.3	4.7	10.0	0.6	C312J822-4S****+++	0.22	24.7	14.7	7.9	22.5	0.8	C312J224-9S****+++	0.0082	11.5	9.3	5.6	10.0	0.6	C313A822-4S****+++
0.0091	11.8	8.5	4.9	10.0	0.6	C312J912-4S****+++	0.24	24.7	15.0	8.2	22.5	0.8	C312J244-9S****+++	0.0091	11.5	9.5	5.9	10.0	0.6	C313A912-4S****+++
0.010	11.8	7.8	4.1	10.0.	0.6	C312J103-4S****+++	0.27	24.7	15.4	8.7	22.5	0.8	C312J274-9S****+++	0.1	16	12	6	15	0.6	C313A104-6S***+++
0.011	11.8	7.9	4.2	10.0	0.6	C312J113-4S****+++	0.30	24.7	15.9	9.1	22.5	0.8	C312J304-9S****+++							
0.012	11.8	8.0	4.4	10.0	0.6	C312J123-4S****+++	0.33	24.7	16.3	9.5	22.5	0.8	C312J334-9S****+++							
0.013	11.8	8.1	4.5	10.0	0.6	C312J133-4S****+++	0.36	24.7	16.7	9.9	22.5	0.8	C312J364-9S****+++							
0.015	11.8	8.3	4.7	10.0	0.6	C312J153-4S****+++	0.39	24.7	17.1	10.3	22.5	0.8	C312J394-9S****+++							
0.016	11.8	8.5	4.8	10.0	0.6	C312J163-4S****+++	0.43	24.7	17.6	10.8	22.5	0.8	C312J434-9S****+++							
0.018	11.8	8.6	4.9	10.0	0.6	C312J183-4S****+++	0.47	24.7	18.1	11.3	22.5	0.8	C312J474-9S****+++							
0.020	11.8	8.8	5.1	10.0	0.6	C312J203-4S****+++	0.51	24.7	18.5	11.7	22.5	0.8	C312J514-9S****+++							
0.022	11.8	8.9	5.3	10.0	0.6	C312J223-4S****+++	0.56	24.7	19.1	12.3	22.5	0.8	C312J564-9S****+++							
0.024	11.8	9.1	5.5	10.0	0.6	C312J243-4S****+++														

备注：1. “-”表示容量偏差。 “-”=capa citance tolerance code, M=±20%,K=±10%,J=±5%

2. “****”表示引线加工和包装代码（见表 1）。 “****”=lead form and packing code（refer to table 1）

3. “#”当额定电压为 1250VDC 时，第 4～5 位是 3B。“#” when the rated voltage is 1250VDC,the digit 4～5 is 3B.

4. “@”Not suitable for across-the-line applications. Pls refer to interference Suppression Capacitors (Pag. 117)

■ 外形尺寸 Dimensions(mm)

Pattern Ⅰ（High performance）

100Vdc(63Vac)/160Vdc(90Vac)#							250Vdc(160Vac)#							400Vdc(200Vac)						
容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number
0.010	10.0	10.0	6.0	7.5	0.6	C312A103-30****+++	0.010	10.0	10.0	6.0	7.5	0.6	C312E103-30****+++	0.010	10.0	10.0	6.0	7.5	0.6	C312G103-30****+++
0.011	10.0	10.0	6.0	7.5	0.6	C312A113-30****+++	0.011	10.0	10.0	6.0	7.5	0.6	C312E113-30****+++	0.011	10.0	10.0	6.0	7.5	0.6	C312G113-30****+++
0.012	10.0	10.5	6.5	7.5	0.6	C312A123-30****+++	0.012	10.0	10.5	6.5	7.5	0.6	C312E123-30****+++	0.012	10.0	10.5	6.5	7.5	0.6	C312G123-30****+++
0.013	10.0	10.5	6.5	7.5	0.6	C312A133-30****+++	0.013	10.0	9.0	6.5	7.5	0.6	C312E133-30****+++	0.013	10.0	10.5	6.5	7.5	0.6	C312G133-30****+++
0.015	10.0	11.0	7.0	7.5	0.6	C312A153-30****+++	0.015	10.0	9.5	6.0	7.5	0.6	C312E153-30****+++	0.015	10.0	11.0	7.0	7.5	0.6	C312G153-30****+++
0.016	10.0	11.0	7.0	7.5	0.6	C312A163-30****+++	0.016	10.0	9.5	6.0	7.5	0.6	C312E163-30****+++	0.016	10.0	11.0	7.0	7.5	0.6	C312G163-30****+++
0.018	10.0	11.0	7.5	7.5	0.6	C312A183-30****+++	0.018	10.0	10.0	6.0	7.5	0.6	C312E183-30****+++	0.018	10.0	11.0	7.5	7.5	0.6	C312G183-30****+++
0.020	10.0	9.0	5.0	7.5	0.6	C312A203-30****+++	0.020	10.0	9.0	5.0	7.5	0.6	C312E203-30****+++	0.020	10.0	11.5	7.5	7.5	0.6	C312G203-30****+++
0.022	10.0	9.0	5.5	7.5	0.6	C312A223-30****+++	0.022	10.0	9.0	5.5	7.5	0.6	C312E223-30****+++	0.022	10.0	12.0	8.0	7.5	0.6	C312G223-30****+++
0.024	10.0	9.0	5.5	7.5	0.6	C312A243-30****+++	0.024	10.0	9.5	5.5	7.5	0.6	C312E243-30****+++	0.024	13.0	10.5	6.5	10.0	0.6	C312G243-40****+++
0.027	10.0	9.5	5.5	7.5	0.6	C312A273-30****+++	0.027	10.0	9.5	5.5	7.5	0.6	C312E273-30****+++	0.027	13.0	12.0	6.5	10.0	0.6	C312G273-40****+++
0.030	10.0	9.5	6.0	7.5	0.6	C312A303-30****+++	0.030	10.0	9.5	6.0	7.5	0.6	C312E303-30****+++	0.030	13.0	12.0	6.5	10.0	0.6	C312G303-40****+++
0.033	10.0	10.0	6.0	7.5	0.6	C312A333-30****+++	0.033	10.0	10.0	6.0	7.5	0.6	C312E333-30****+++	0.033	13.0	12.0	7.0	10.0	0.6	C312G333-40****+++
0.036	10.0	10.0	6.0	7.5	0.6	C312A363-30****+++	0.036	10.0	10.0	6.0	7.5	0.6	C312E363-30****+++	0.036	13.0	12.5	7.0	10.0	0.6	C312G363-40****+++
0.039	10.0	10.0	6.5	7.5	0.6	C312A393-30****+++	0.039	10.0	10.0	6.5	7.5	0.6	C312E393-30****+++	0.039	13.0	12.5	7.0	10.0	0.6	C312G393-40****+++
0.043	10.0	10.5	6.5	7.5	0.6	C312A433-30****+++	0.043	10.0	10.5	6.5	7.5	0.6	C312E433-30****+++	0.043	13.0	13.0	7.5	10.0	0.6	C312G433-40****+++
0.047	10.0	10.5	7.0	7.5	0.6	C312A473-30****+++	0.047	10.0	10.5	7.0	7.5	0.6	C312E473-30****+++	0.047	13.0	13.0	8.0	10.0	0.6	C312G473-40****+++
0.051	10.0	9.0	5.5	7.5	0.6	C312A513-30****+++	0.051	13.0	10.0	6.0	10.0	0.6	C312E513-40****+++	0.051	13.0	13.5	8.0	10.0	0.6	C312G513-40****+++
0.056	10.0	9.0	5.5	7.5	0.6	C312A563-30****+++	0.056	13.0	10.0	6.5	10.0	0.6	C312E563-40****+++	0.056	13.0	14.0	8.5	10.0	0.6	C312G563-40****+++
0.062	10.0	9.5	5.5	7.5	0.6	C312A623-30****+++	0.062	13.0	10.5	6.5	10.0	0.6	C312E623-40****+++	0.062	19.0	12.0	6.5	15.0	0.6	C312G623-60****+++
0.068	10.0	9.5	6.0	7.5	0.6	C312A683-30****+++	0.068	13.0	10.5	7.0	10.0	0.6	C312E683-40****+++	0.068	19.0	13.5	6.5	15.0	0.6	C312G683-60****+++
0.075	10.0	9.5	6.0	7.5	0.6	C312A753-30****+++	0.075	13.0	11.0	7.0	10.0	0.6	C312E753-40****+++	0.075	19.0	13.5	6.5	15.0	0.6	C312G753-60****+++
0.082	10.0	10.5	6.0	7.5	0.6	C312A823-30****+++	0.082	13.0	10.5	6.0	10.0	0.6	C312E823-40****+++	0.082	19.0	13.5	7.0	15.0	0.6	C312G823-60****+++
0.091	10.0	10.5	6.0	7.5	0.6	C312A913-30****+++	0.091	13.0	11.0	6.0	10.0	0.6	C312E913-40****+++	0.091	19.0	14.0	7.0	15.0	0.6	C312G913-60****+++
0.10	10.0	10.5	6.5	7.5	0.6	C312A104-30****+++	0.10	13.0	11.0	6.5	10.0	0.6	C312E104-40****+++	0.10	19.0	14.5	7.5	15.0	0.6	C312G104-60****+++
0.11	10.0	11.0	6.5	7.5	0.6	C312A114-30****+++	0.11	13.0	11.0	6.5	10.0	0.6	C312E114-40****+++	0.11	19.0	14.5	8.0	15.0	0.6	C312G114-60****+++
0.12	10.0	11.0	6.5	7.5	0.6	C312A124-30****+++	0.12	13.0	11.5	7.0	10.0	0.6	C312E124-40****+++	0.12	19.0	15.0	8.0	15.0	0.6	C312G124-60****+++
0.13	13.0	10.5	6.0	10.0	0.6	C312A134-40****+++	0.13	19.0	12.0	6.5	15.0	0.6	C312E134-60****+++	0.13	19.0	15.0	8.5	15.0	0.6	C312G134-60****+++
0.15	13.0	11.0	6.5	10.0	0.6	C312A154-40****+++	0.15	19.0	12.0	7.0	15.0	0.6	C312E154-60****+++	0.15	19.0	15.5	9.0	15.0	0.6	C312G154-60****+++
0.16	13.0	11.0	6.5	10.0	0.6	C312A164-40****+++	0.16	19.0	12.5	7.0	15.0	0.6	C312E164-60****+++	0.16	19.0	16.0	9.0	15.0	0.8	C312G164-60****+++
0.18	13.0	12.0	6.5	10.0	0.6	C312A184-40****+++	0.18	19.0	13.5	7.0	15.0	0.6	C312E184-60****+++	0.18	24.0	15.0	8.0	20.0	0.8	C312G184-80****+++
0.20	13.0	12.0	7.0	10.0	0.6	C312A204-40****+++	0.20	19.0	14.0	7.0	15.0	0.6	C312E204-60****+++	0.20	24.0	15.0	8.5	20.0	0.8	C312G204-80****+++
0.22	13.0	12.5	7.0	10.0	0.6	C312A224-40****+++	0.22	19.0	14.0	7.5	15.0	0.6	C312E224-60****+++	0.22	24.0	16.0	8.5	20.0	0.8	C312G224-80****+++
0.24	13.0	12.5	7.5	10.0	0.6	C312A244-40****+++	0.24	19.0	14.5	7.5	15.0	0.6	C312E244-60****+++	0.24	24.0	16.0	9.0	20.0	0.8	C312G244-80****+++
0.27	13.0	13.0	7.5	10.0	0.6	C312A274-40****+++	0.27	19.0	15.0	8.0	15.0	0.6	C312E274-60****+++	0.27	24.0	16.5	9.5	20.0	0.8	C312G274-80****+++
0.30	19.0	11.5	6.5	15.0	0.6	C312A304-60****+++	0.30	19.0	15.0	8.5	15.0	0.6	C312E304-60****+++	0.30	24.0	17.0	10.0	20.0	0.8	C312G304-80****+++
0.33	19.0	12.0	6.5	15.0	0.6	C312A334-60****+++	0.33	19.0	15.5	9.0	15.0	0.6	C312E334-60****+++	0.33	24.0	17.5	10.0	20.0	0.8	C312G334-80****+++
0.36	19.0	12.0	7.0	15.0	0.6	C312A364-60****+++	0.36	24.0	14.0	8.5	20.0	0.8	C312E364-80****+++	0.36	29.0	16.5	9.5	25.0	0.8	C312G364-A0****+++
0.39	19.0	12.5	7.0	15.0	0.6	C312A394-60****+++	0.39	24.0	14.5	8.5	20.0	0.8	C312E394-80****+++	0.39	29.0	17.0	9.5	25.0	0.8	C312G394-A0****+++
0.43	19.0	12.5	7.5	15.0	0.6	C312A434-60****+++	0.43	24.0	15.0	8.5	20.0	0.8	C312E434-80****+++	0.43	29.0	17.5	10.0	25.0	0.8	C312G434-A0****+++
0.47	19.0	13.0	7.5	15.0	0.6	C312A474-60****+++	0.47	24.0	15.0	9.0	20.0	0.8	C312E474-80****+++	0.47	29.0	18.5	10.0	25.0	0.8	C312G474-A0****+++
0.51	19.0	13.0	8.0	15.0	0.6	C312A514-60****+++	0.51	24.0	15.5	9.5	20.0	0.8	C312E514-80****+++	0.51	29.0	19.0	10.5	25.0	0.8	C312G514-A0****+++
0.56	19.0	13.5	8.0	15.0	0.6	C312A564-60****+++	0.56	24.0	16.0	10.0	20.0	0.8	C312E564-80****+++	0.56	29.0	19.5	11.0	25.0	0.8	C312G564-A0****+++
0.62	19.0	13.5	8.5	15.0	0.6	C312A624-60****+++	0.62	24.0	16.5	10.0	20.0	0.8	C312E624-80****+++	0.62	29.0	20.0	11.5	25.0	0.8	C312G624-A0****+++
0.68	19.0	14.0	9.0	15.0	0.6	C312A684-60****+++	0.68	24.0	17.5	10.5	20.0	0.8	C312E684-80****+++	0.68	29.0	19.5	12.0	25.0	0.8	C312G684-A0****+++
0.75	19.0	14.5	9.5	15.0	0.8	C312A754-60****+++	0.75	24.0	18.0	11.0	20.0	0.8	C312E754-80****+++	0.75	29.0	21.0	12.5	25.0	0.8	C312G754-A0****+++
0.82	19.0	15.0	9.5	15.0	0.8	C312A824-60****+++	0.82	24.0	18.5	11.5	20.0	0.8	C312E824-80****+++	0.82	34.0	20.5	12.0	30.0	0.8	C312G824-C0****+++
0.91	24.0	15.0	8.5	20.0	0.8	C312A914-80****+++	0.91	24.0	19.0	12.0	20.0	0.8	C312E914-80****+++	0.91	34.0	21.0	12.5	30.0	0.8	C312G914-C0****+++
1.0	24.0	15.5	8.5	20.0	0.8	C312A105-80****+++	1.0	29.0	17.5	9.0	25.0	0.8	C312E105-A0****+++	1.0	34.0	21.5	13.0	30.0	0.8	C312G105-C0****+++
1.1	24.0	16.0	9.0	20.0	0.8	C312A115-80****+++	1.1	29.0	18.0	9.5	25.0	0.8	C312E115-A0****+++	1.5	22	16	9	20	0.8	C312G155-C0****+++
1.2	24.0	16.0	9.5	20.0	0.8	C312A125-80****+++	1.2	29.0	18.0	10.0	25.0	0.8	C312E125-A0****+++	2.2	22	16	10	20	0.8	C312G225-C0****+
1.3	24.0	16.5	9.5	20.0	0.8	C312A135-80****+++	1.3	29.0	18.5	10.0	25.0	0.8	C312E135-A0****+++	2.2	28	17	10	25	0.8	C312G225-C0****++
1.5	24.0	17.0	10.5	20.0	0.8	C312A155-80****+++	1.5	29.0	19.5	11.0	25.0	0.8	C312E155-A0****+++	3.3	28	18	10	25	0.8	C312G335-C0****+
1.6	24.0	17.5	11.0	20.0	0.8	C312A165-80****+++	1.6	29.0	20.5	10.5	25.0	0.8	C312E165-A0****+++	4.7	28	18	12	25	0.8	C213G475-C0***+
1.8	24.0	18.0	11.5	20.0	0.8	C312A185-80****+++	1.8	29.0	21.5	11.5	25.0	0.8	C312E185-A0****+++							
2.0	29.0	17.5	10.5	25.0	0.8	C312A205-A0****+++	2.0	29.0	22.0	12.0	25.0	0.8	C312E205-A0****+++							
2.2	29.0	18.0	11.0	25.0	0.8	C312A225-A0****+++	2.2	29.0	22.5	12.5	25.0	0.8	C312E225-A0****+++							
2.4	29.0	18.5	11.5	25.0	0.8	C312A245-A0****+++	2.4	29.0	23.0	13.0	25.0	0.8	C312E245-A0****+++							
2.7	29.0	20.0	11.5	25.0	0.8	C312A275-A0****+++	2.7	29.0	24.0	14.0	25.0	0.8	C312E275-A0****+++							
3.0	29.0	20.5	12.0	25.0	0.8	C312A305-A0****+++	3.0	29.0	24.5	14.5	25.0	0.8	C312E305-A0****+++							
3.3	29.0	21.0	13.0	25.0	0.8	C312A335-A0****+++	3.3	29.0	25.5	15.5	25.0	0.8	C312E335-A0****+++							

备注：1. “-”表示容量偏差。 “-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%

2. “****”表示引线加工和包装代码（见表 1）。 “****”=lead form and packing code（refer to table 1）

3. “#”当额定电压为 160VDC 时，第 4~5 位是 2C。 “#”when the rated voltage is 160VDC,the digit 4~5 is 2C.

■ 外形尺寸 Dimensions(mm)

Pattern Ⅰ（High performance）

630Vdc(220Vac)@							630Vdc(220Vac)@							1 000Vdc(400Vac)						
容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number
0.0010	10.0	9.0	5.5	7.5	0.6	C312J102-30****+++	0.024	19.0	12.0	6.5	15.0	0.6	C312J243-60****+++	0.0010	10.0	9.0	5.5	7.5	0.6	C313A102-30****+++
0.0011	10.0	9.0	5.5	7.5	0.6	C312J112-30****+++	0.027	19.0	12.0	7.0	15.0	0.6	C312J273-60****+++	0.0011	10.0	9.0	5.5	7.5	0.6	C313A112-30****+++
0.0012	10.0	9.0	5.0	7.5	0.6	C312J122-30****+++	0.030	19.0	12.5	7.0	15.0	0.6	C312J303-60****+++	0.0012	10.0	9.0	5.0	7.5	0.6	C313A122-30****+++
0.0013	10.0	9.0	5.0	7.5	0.6	C312J132-30****+++	0.033	19.0	12.5	7.5	15.0	0.6	C312J333-60****+++	0.0013	10.0	9.0	5.0	7.5	0.6	C313A132-30****+++
0.0015	10.0	9.0	5.0	7.5	0.6	C312J152-30****+++	0.036	19.0	13.0	8.0	15.0	0.6	C312J363-60****+++	0.0015	10.0	9.0	5.0	7.5	0.6	C313A152-30****+++
0.0016	10.0	9.0	5.5	7.5	0.6	C312J162-30****+++	0.039	19.0	13.0	8.0	15.0	0.6	C312J393-60****+++	0.0016	10.0	9.0	5.5	7.5	0.6	C313A162-30****+++
0.0018	10.0	9.0	5.5	7.5	0.6	C312J182-30****+++	0.043	19.0	13.5	8.0	15.0	0.6	C312J433-60****+++	0.0018	10.0	9.0	5.5	7.5	0.6	C313A182-30****+++
0.0020	10.0	9.0	5.5	7.5	0.6	C312J202-30****+++	0.047	19.0	13.5	8.5	15.0	0.6	C312J473-60****+++	0.0020	10.0	9.0	5.5	7.5	0.6	C313A202-30****+++
0.0022	10.0	9.0	6.0	7.5	0.6	C312J222-30****+++	0.051	19.0	14.0	9.0	15.0	0.8	C312J513-60****+++	0.0022	10.0	9.0	6.0	7.5	0.6	C313A222-30****+++
0.0024	10.0	9.0	5.0	7.5	0.6	C312J242-30****+++	0.056	19.0	15.0	8.5	15.0	0.8	C312J563-60****+++	0.0024	10.0	10.0	6.0	7.5	0.6	C313A242-30****+++
0.0027	10.0	9.0	5.0	7.5	0.6	C312J272-30****+++	0.062	19.0	15.5	9.0	15.0	0.8	C312J623-60****+++	0.0027	10.0	10.0	6.0	7.5	0.6	C313A272-30****+++
0.0030	10.0	9.0	5.0	7.5	0.6	C312J302-30****+++	0.068	24.0	14.5	8.0	20.0	0.8	C312J683-80****+++	0.0030	10.0	10.0	6.5	7.5	0.6	C313A302-30****+++
0.0033	10.0	9.0	5.5	7.5	0.6	C312J332-30****+++	0.075	24.0	15.0	8.0	20.0	0.8	C312J753-80****+++	0.0033	10.0	10.0	6.5	7.5	0.6	C313A332-30****+++
0.0036	10.0	9.0	5.5	7.5	0.6	C312J362-30****+++	0.082	24.0	15.0	8.5	20.0	0.8	C312J823-80****+++	0.0036	10.0	10.5	7.0	7.5	0.6	C313A362-30****+++
0.0039	10.0	9.0	5.5	7.5	0.6	C312J392-30****+++	0.091	24.0	15.5	8.5	20.0	0.8	C312J913-80****+++	0.0039	10.0	10.5	7.0	7.5	0.6	C313A392-30****+++
0.0043	10.0	9.5	6.0	7.5	0.6	C312J432-30****+++	0.10	24.0	16.0	9.0	20.0	0.8	C312J104-80****+++	0.0043	10.0	10.5	7.0	7.5	0.6	C313A432-30****+++
0.0047	10.0	9.5	6.0	7.5	0.6	C312J472-30****+++	0.11	24.0	16.0	9.5	20.0	0.8	C312J114-80****+++	0.0047	10.0	11.0	7.5	7.5	0.6	C313A472-30****+++
0.0051	10.0	9.5	6.5	7.5	0.6	C312J512-30****+++	0.12	24.0	16.5	10.0	20.0	0.8	C312J124-80****+++	0.0051	10.0	11.0	7.5	7.5	0.6	C313A512-30****+++
0.0056	10.0	10.0	6.5	7.5	0.6	C312J562-30****+++	0.13	24.0	17.0	10.0	20.0	0.8	C312J134-80****+++	0.0056	10.0	11.5	8.0	7.5	0.6	C313A562-30****+++
0.0062	10.0	10.0	6.5	7.5	0.6	C312J622-30****+++	0.15	24.0	17.5	10.5	20.0	0.8	C312J154-80****+++	0.0062	10.0	11.5	8.5	7.5	0.6	C313A622-30****+++
0.0068	12.5	9.0	5.5	10.0	0.6	C312J682-40****+++	0.16	24.0	18.0	11.0	20.0	0.8	C312J164-80****+++	0.0068	12.5	10.5	7.0	10.0	0.6	C313A682-40****+++
0.0075	12.5	9.0	6.0	10.0	0.6	C312J752-40****+++	0.18	24.0	19.5	11.0	20.0	0.8	C312J184-80****+++	0.0075	12.5	10.5	7.0	10.0	0.6	C313A752-40****+++
0.0082	12.5	9.0	6.0	10.0	0.6	C312J822-40****+++	0.20	29.0	19.0	10.0	25.0	0.8	C312J204-A0****+++	0.0082	12.5	10.5	7.0	10.0	0.6	C313A822-40****+++
0.0091	12.5	9.5	6.0	10.0	0.6	C312J912-40****+++	0.22	29.0	19.5	10.0	25.0	0.8	C312J224-A0****+++	0.0091	12.5	11.0	7.5	10.0	0.6	C313A912-40****+++
0.010	13.0	11.0	6.0	10.0	0.6	C312J103-40****+++	0.24	29.0	20.0	10.5	25.0	0.8	C312J244-A0****+++							
0.011	13.0	11.5	6.5	10.0	0.6	C312J113-40****+++	0.27	29.0	20.5	11.5	25.0	0.8	C312J274-A0****+++							
0.012	13.0	11.5	6.5	10.0	0.6	C312J123-40****+++	0.30	29.0	21.5	11.5	25.0	0.8	C312J304-A0****+++							
0.013	13.0	11.5	7.0	10.0	0.6	C312J133-40****+++	0.33	29.0	22.0	12.0	25.0	0.8	C312J334-A0****+++							
0.015	13.0	12.0	7.0	10.0	0.6	C312J153-40****+++	0.36	29.0	22.5	12.5	25.0	0.8	C312J364-A0****+++							
0.016	13.0	12.0	7.5	10.0	0.6	C312J163-40****+++	0.39	34.0	20.5	12.5	30.0	0.8	C312J394-C0****+++							
0.018	13.0	13.0	7.5	10.0	0.6	C312J183-40****+++	0.43	34.0	21.5	13.0	30.0	0.8	C312J434-C0****+++							
0.020	13.0	13.5	8.0	10.0	0.6	C312J203-40****+++	0.47	34.0	22.0	13.5	30.0	0.8	C312J474-C0****+++							
0.022	13.0	13.5	8.0	10.0	0.6	C312J223-40****+++	0.51	34.0	22.5	14.0	30.0	0.8	C312J514-C0****+++							
							0.56	34.0	23.0	14.5	30.0	0.8	C312J564-C0****+++							

备注：1. “-”表示容量偏差。 “-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%

2.“****”表示引线加工和包装代码（见表 1）。 “****”=lead form and packing code（refer to table 1）

3. “@” Not suitable for across-the-line applications. Pls refer to Interference Suppression Capacitors(Pag. 117)

■ 外形尺寸 Dimensions(mm)

Current Vs Frequency Table[lp-p(A)] for Pattern I

电容量 (μF)	250Vdc(200Vo-p max)						400Vdc(300Vo-p max)					
	15.75kHz	30 kHz	50 kHz	65 kHz	80 kHz	100 kHz	15.75 kHz	30 kHz	50 kHz	65 kHz	80 kHz	100 kHz
0.10	2.7	3.1	3.6	4.0	4.4	4.9	4.6	5.0	5.5	5.9	6.3	6.8
0.11	2.9	3.3	3.8	4.2	4.6	5.1	4.8	5.2	5.7	6.1	6.5	7.0
0.12	3.1	3.5	4.0	4.4	4.8	5.3	5.1	5.5	6.0	6.4	6.8	7.3
0.13	3.3	3.7	4.2	4.6	5.0	5.5	5.3	5.7	6.2	6.6	7.0	7.5
0.15	3.6	4.0	4.5	4.9	5.3	5.8	5.6	6.0	6.5	6.9	7.3	7.8
0.16	3.7	4.1	4.6	5.0	5.4	5.9	5.8	6.2	6.7	7.1	7.5	8.0
0.18	4.0	4.4	4.9	5.3	5.7	6.2	6.1	6.5	7.0	7.4	7.8	8.3
0.20	4.2	4.6	5.1	5.5	5.9	6.4	6.4	6.8	7.3	7.7	8.1	8.6
0.22	4.4	4.8	5.3	5.7	6.1	6.6	6.7	7.1	7.6	8.0	8.4	8.9
0.24	4.6	5.0	5.5	5.9	6.3	6.8	7.0	7.4	7.9	8.3	8.7	9.2
0.27	4.9	5.3	5.8	6.2	6.6	7.1	7.3	7.7	8.2	8.6	9.0	9.5
0.30	5.1	5.5	6.0	6.4	6.8	7.3	7.6	8.0	8.5	8.9	9.3	9.8
0.33	5.3	5.7	6.2	6.6	7.0	7.5	7.9	8.3	8.8	9.2	9.6	10.1
0.36	5.5	5.9	6.4	6.8	7.2	7.7	8.2	8.6	9.1	9.5	9.9	10.4
0.39	5.7	6.1	6.6	7.0	7.4	7.9	8.4	8.8	9.3	9.7	10.1	10.6
0.43	6.0	6.4	6.9	7.3	7.7	8.2	8.8	9.2	9.7	10.1	10.5	11.0
0.47	6.2	6.6	7.1	7.5	7.9	8.4	9.2	9.6	10.1	10.5	10.9	11.4
0.51	6.5	6.9	7.4	7.8	8.2	8.7	9.6	10.0	10.5	10.9	11.3	11.8
0.56	6.7	7.1	7.6	8.0	8.4	8.9	10.0	10.4	10.9	11.3	11.7	12.2
0.62	7.0	7.4	7.9	8.3	8.7	9.2	10.5	10.9	11.4	11.8	12.2	12.7
0.68	7.3	7.7	8.2	8.6	9.0	9.5	11.0	11.4	11.9	12.3	12.7	13.2
0.75	7.6	8.0	8.5	8.9	9.3	9.8	11.4	11.8	12.3	12.7	13.1	13.6
0.82	7.8	8.2	8.7	9.1	9.5	10.0	11.8	12.2	12.7	13.1	13.5	14.0
0.91	8.1	8.5	9.0	9.4	9.8	10.3	12.3	12.7	13.2	13.6	14.0	14.5
1.0	8.4	8.8	9.3	9.7	10.1	10.6	12.7	13.1	13.6	14.0	14.4	14.9
1.1	8.7	9.1	9.6	10.0	10.4	10.9						
1.2	8.9	9.3	9.8	10.2	10.6	11.1						
1.3	9.2	9.6	10.1	10.5	10.9	11.4						
1.5	9.6	10.0	10.5	10.9	11.3	11.8						

备注:“@”施加波形见第 11 页, 脉冲占空比为 15% 。“@”The applied waveform is refered to page 11 , Duty cycle is 15%