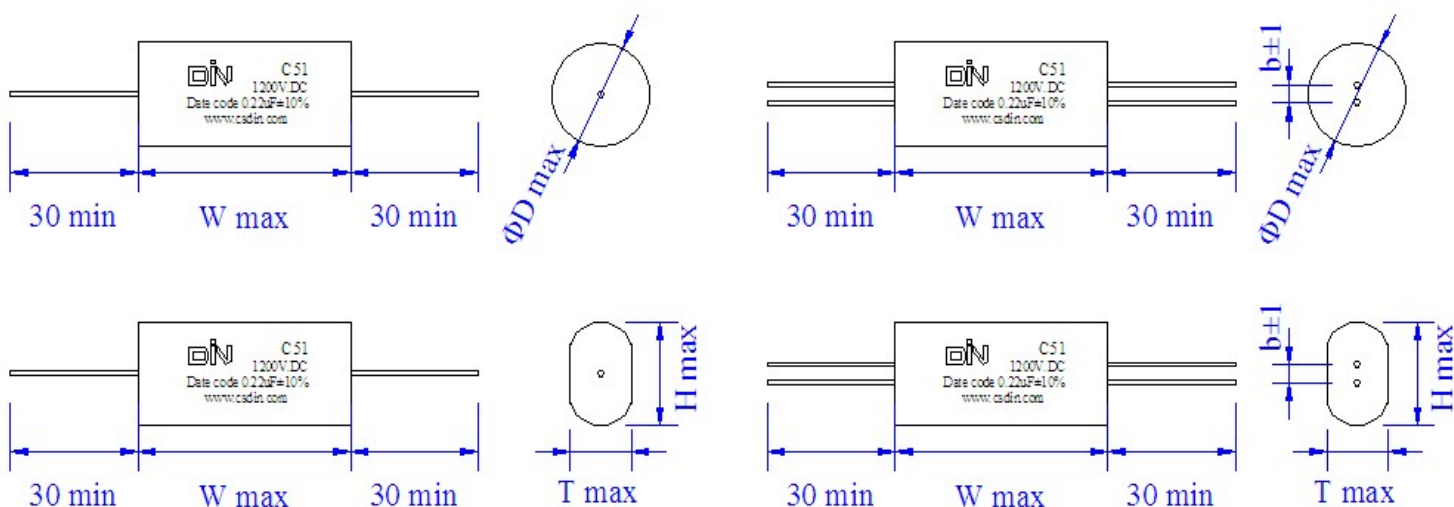


C51 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 迈拉胶带封装，环氧树脂灌封
- 高频纹波吸收能力，高 dv/dt 承受能力
- 杂散电感小
- 损耗小，内部温升小

■ 主要用途

- 广泛应用于逆变器、变频器各类逆变系统开关模块（IGBT）中做吸收保护、尖峰电压钳位等场合

■ Features

- Mylar tape package, Sealed with epoxy resin
- High-frequency ripple absorption ability
- Low stray inductance
- Low loss and small inherent temperature rise

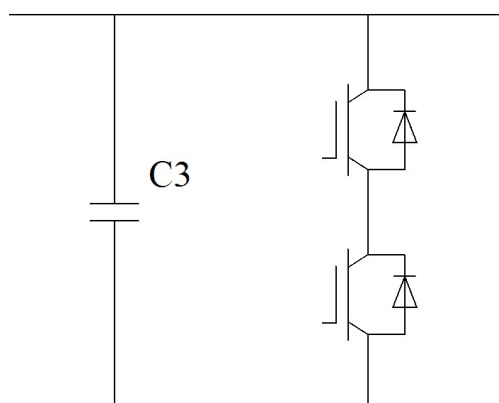
■ Typical application

- Widely used in inverter system for switch module (IGBT) protection, peak voltage clamp, etc.

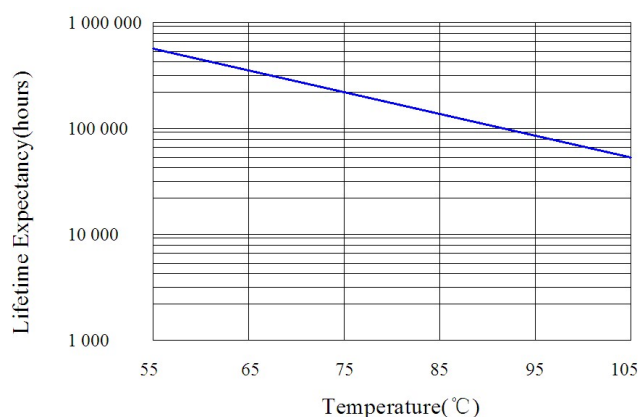
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	0.0068 μ F ~10.0 μ F	
额定电压/Rated Voltage	630V.DC~3000V.DC	
容量偏差/Tolerance	\pm 5% \pm 10%	
损耗角正切/Dissipation factor	$\text{tg}\delta \leq 10 \times 10^{-4}$ at 25 $^{\circ}$ C \pm 5 $^{\circ}$ C,1KHz	
绝缘电阻/Insulation resistance	C·R \geq 5000S,at 100V.DC,25 $^{\circ}$ C \pm 5 $^{\circ}$ C,60s	
工作温度范围/Operating temperature range	-40 $^{\circ}$ C ~85 $^{\circ}$ C	
极间耐电压/Test voltage between terminals	1.5Un (10S,25 $^{\circ}$ C \pm 5 $^{\circ}$ C)	
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S,50/60Hz,25 $^{\circ}$ C \pm 5 $^{\circ}$ C)	
最大安装扭矩/ Max. Torque of Installation	3.0Nm	
最大电极扭矩/Max. Torque of terminals	M6:5Nm	M8:6.0Nm
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	100 000hrs @ Un,0hs=70 $^{\circ}$ C	
失效率/Failure rate	100FIT	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18 位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3 位: 型号代码

Digit 1~3: Series code

4~6 位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10 位: 内部特征码

Digit 7~10: Internal use

11 位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13 位: 额定电压

Digit 12~13: Rated voltage

25=630V、29=850V、3A=1000V

25=630V、29=850V、3A=1000V

3C=1200V、3G=1500V、3H=1600V

3C=1200V、3G=1500V、3H=1600V

3K=2000V、3N=2500V、3S=3000V

3K=2000V、3N=2500V、3S=3000V

14 位: 外形尺寸: L

Digit 14: Dimension: L

C=29mm、D=34mm、E=39mm

C=29mm、D=34mm、E=39mm

F=44mm、H=58mm

F=44mm、H=58mm

15~17 位: 引出端代码

Digit 15~17: Terminal code

15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	电极 Electrode	代码 Code	脚距 Pitch	代码 Code	型体 Body type
3	0.8CU	A	2引线	0	圆形
4	1.0CU	C	4引线b=10.0mm	A	扁形
5	1.2CU	E	4引线b=12.7mm		

18 位: 脚长

Digit 18: Lead length

0=30mm 4=40mm

0=30mm 4=40mm

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 630V.DC/700 V.DC/420V.AC #													
0.15	10.5	29.0	14.2	7.9	-	0.8	950	11.0	3.7	-	-	14	C51154****□25C3+○0
0.22	12.0	“	15.9	9.6	-	“	“	9.0	4.6	-	-	“	C51224****□25C3+○0
0.33	14.0	“	18.1	11.8	-	“	“	7.0	6.0	-	-	“	C51334****□25C3+○0
0.47	16.1	“	20.5	4.2	-	1.0	“	5.5	8.0	-	-	“	C51474****□25C4+○0
0.33	12.3	34.0	16.2	10.0	-	0.8	700	7.5	5.8	-	-	17	C51334****□25D3+○0
0.47	14.4	“	18.6	12.4	-	“	“	6.0	7.5	-	-	“	C51474****□25D3+○0
0.68	16.8	“	21.3	15.0	-	1.0	“	5.0	9.0	-	-	“	C51684****□25D4+○0
1.0	19.8	“	25.4	17.6	-	“	“	4.3	10.5	-	-	18	C51105****□25D4+○0
1.5	23.8	“	29.7	21.9	-	1.2	“	4.0	12.5	-	-	19	C51155****□25D4+○0
0.82	16.5	39.0	20.9	14.6	-	1.0	600	5.5	8.0	-	-	“	C51824****□25E5+○0
1.0	17.9	“	23.3	15.5	-	“	“	4.5	9.5	-	-	20	C51105****□25E5+○0
1.5	21.4	“	27.1	19.3	-	1.2	“	4.3	12.0	-	-	“	C51155****□25E5+○0
2.0	24.4	“	30.4	22.5	-	“	“	4.0	14.0	-	-	21	C51205****□25E5+○0
2.2	25.4	“	21.6	23.7	-	“	“	4.0	“	-	-	22	C51225****□25E5+○0
2.5	27.0	“	33.2	25.4	-	“	“	4.0	“	3.5	16.7	“	C51255****□25E5+○0
3.0	29.3	“	36.6	27.2	-	“	“	4.0	“	“	19.1	24	C51305****□25E5+○0
3.3	30.7	“	38.0	28.6	-	“	“	4.0	“	“	20.5	“	C51335****□25E5+○0
1.0	17.0	44.0	21.5	15.2	-	“	475	5.0	“	-	-	21	C51105****□25F5+○0
1.5	20.3	“	25.9	18.0	-	“	“	4.5	“	-	-	“	C51155****□25F5+○0
2.0	23.0	“	28.9	21.1	-	“	“	4.3	“	-	-	22	C51205****□25F5+○0
2.2	24.0	“	30.0	22.2	-	“	“	4.0	“	-	-	23	C51225****□25F5+○0
2.5	25.5	“	31.6	23.7	-	“	“	4.0	“	3.5	15.4	“	C51255****□25F5+○0
3.0	27.7	“	34.8	25.4	-	“	“	4.0	“	“	17.5	24	C51305****□25F5+○0
3.3	29.0	“	36.2	26.7	-	“	“	4.0	“	“	18.7	25	C51335****□25F5+○0
4.0	31.7	“	39.1	29.7	-	“	“	4.0	“	“	21.5	26	C51405****□25F5+○0
3.3	24.3	58.0	30.3	22.4	-	“	300	4.5	“	4.0	15.5	27	C51335****□25H5+○0
4.0	26.5	“	32.7	24.9	-	“	“	4.0	“	3.5	16.4	28	C51405****□25H5+○0
4.7	28.6	“	35.7	26.3	-	“	“	3.8	“	3.4	18.1	29	C51475****□25H5+○0
5.0	29.4	“	36.6	27.2	-	“	“	3.6	“	3.3	18.9	“	C51505****□25H5+○0
6.8	33.9	“	42.3	31.4	-	“	“	“	“	3.1	23.2	31	C51682****□25H5+○0
8.2	37.1	“	45.8	34.8	-	“	“	“	“	“	26.3	33	C51825****□25H5+○0
10.0	40.7	“	49.7	38.8	-	“	“	“	“	“	28.0	34	C51106****□25H5+○0

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 850V.DC//450V.AC													
0.10	10.4	29.0	12.5	6.4	-	0.8	1200	13.0	3.6	-	-	14	C51104****□29C3+○0
0.15	12.0	“	14.1	8.0	-	“	“	10.0	4.5	-	-	“	C51154****□29C3+○0
0.22	13.9	“	15.9	9.9	-	“	“	7.5	5.8	-	-	15	C51224****□29C3+○0
0.33	16.1	“	18.2	12.1	-	1.0	“	6.0	7.5	-	-	“	C51334****□29C4+○0
0.15	10.9	34.0	13.0	6.9	-	0.8	900	10.5	4.5	-	-	16	C51154****□29D3+○0
0.22	12.5	“	14.6	8.5	-	“	“	8.0	5.0	-	-	“	C51224****□29D3+○0
0.33	14.6	“	16.7	10.6	-	“	“	6.5	6.3	-	-	17	C51334****□29D3+○0
0.47	16.9	“	19.8	12.2	-	1.0	“	5.5	7.8	-	-	“	C51474****□29D4+○0
0.68	19.8	“	22.7	15.0	-	“	“	4.5	9.9	-	-	18	C51684****□29D4+○0
0.75	20.6	“	23.5	15.9	-	1.2	“	4.3	10.0	-	-	19	C51754****□29D5+○0
1.0	23.4	“	26.3	18.7	-	“	“	4.0	12.9	-	-	“	C51105****□29D5+○0
0.47	15.5	39.0	17.5	11.5	-	1.0	750	6.0	7.5	-	-	“	C51474****□29E4+○0
0.68	18.0	“	21.0	13.3	-	“	“	5.0	8.9	-	-	“	C51684****□29E4+○0
1.0	21.3	“	24.2	16.6	-	1.2	“	4.5	11.5	-	-	20	C51105****□29E5+○0
1.5	25.6	“	28.4	20.8	-	“	“	4.0	14.0	-	-	22	C51155****□29E5+○0
2.0	29.2	“	32.8	23.5	-	“	“	4.0	“	3.5	18.6	23	C51205****□29E5+○0
2.2	30.5	“	34.1	24.8	-	“	“	4.0	“	“	20.0	24	C51225****□29E5+○0
2.5	32.3	“	36.7	25.9	-	“	“	4.0	“	“	22.0	25	C51255****□29E5+○0
0.68	17.0	44.0	19.9	12.3	-	1.0	600	5.5	“	-	-	21	C51684****□29F4+○0
1.0	20.0	“	22.9	15.3	-	“	“	4.5	“	-	-	22	C51105****□29F4+○0
1.5	24.0	“	26.8	19.2	-	1.2	“	4.0	“	-	-	“	C51155****□29F4+○0
2.0	27.3	“	30.9	21.7	-	“	“	4.0	“	3.5	18.0	24	C51205****□29F4+○0
2.2	28.5	“	32.1	22.9	-	“	“	4.0	“	“	18.5	“	C51225****□29F4+○0
2.5	30.3	“	33.8	24.6	-	“	“	4.0	“	“	19.5	25	C51255****□29F4+○0
3.0	32.9	“	37.3	26.5	-	“	“	4.0	“	“	21.5	26	C51305****□29F4+○0
2.2	24.0	58.0	26.8	19.2	-	“	375	4.3	“	-	-	27	C51225****□29H4+○0
2.5	25.4	“	28.2	20.6	-	“	“	4.0	“	3.5	16.0	“	C51255****□29H4+○0
3.0	27.6	“	31.2	22.0	-	“	“	“	“	“	16.8	28	C51305****□29H4+○0
3.3	28.8	“	32.4	23.2	-	“	“	“	“	“	17.8	29	C51335****□29H4+○0
4.0	31.5	“	35.9	25.1	-	“	“	“	“	“	20.2	30	C51405****□29H4+○0
4.7	34.0	“	38.3	27.5	-	“	“	“	“	“	21.0	31	C51475****□29H4+○0
5.0	35.0	“	39.3	28.5	-	“	“	“	“	“	23.5	“	C51505****□29H4+○0
6.8	40.4	“	44.7	33.9	-	“	“	“	“	“	26.0	34	C51685****□29H4+○0

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 1000V.DC/500V.AC													
0.068	9.8	29.0	11.9	5.8	-	0.8	1400	16.5	3.5	-	-	14	C51683****□3AC3+○0
0.1	11.1	“	13.2	7.1	-	“	“	12.0	4.3	-	-	“	C51104****□3AC3+○0
0.15	12.8	“	14.9	8.8	-	“	“	9.5	5.6	-	-	15	C51154****□3AC3+○0
0.22	14.8	“	16.9	10.8	-	“	“	7.0	6.8	-	-	16	C51224****□3AC3+○0
0.15	11.3	34.0	13.4	7.3	-	“	1050	10.0	5.0	-	-	“	C51154****□3AD3+○0
0.22	13.3	“	15.4	9.3	-	“	“	7.5	7.0	-	-	17	C51224****□3AD3+○0
0.33	15.6	“	18.6	11.0	-	1.0	“	6.0	8.5	-	-	“	C51334****□3AD4+○0
0.47	18.1	“	21.1	13.4	-	“	“	5.0	10.0	-	-	18	C51474****□3AD4+○0
0.68	21.3	“	24.1	16.5	-	1.2	“	4.0	12.1	-	-	“	C51684****□3AD5+○0
0.33	14.6	39.0	16.7	10.6	-	0.8	850	8.0	7.2	-	-	19	C51334****□3AE3+○0
0.47	16.8	“	19.8	12.2	-	1.0	“	5.5	8.8	-	-	“	C51474****□3AE4+○0
0.68	19.7	“	22.6	15.0	-	“	“	4.5	11.1	-	-	20	C51684****□3AE4+○0
1.0	23.3	“	26.2	18.6	-	1.2	“	4.0	14.0	-	-	21	C51105****□3AE5+○0
1.5	28.0	“	31.7	22.4	-	“	“	“	14.0	3.5	18.1	23	C51155****□3AE5+○0
0.47	15.6	44.0	18.6	11.0	-	1.0	780	6.0	9.2	-	-	21	C51474****□3AF4+○0
0.68	18.2	“	21.2	13.5	-	“	“	5.0	10.1	-	-	“	C51684****□3AF4+○0
1.0	21.5	“	24.4	16.8	-	1.2	“	4.0	12.8	-	-	22	C51105****□3AF5+○0
1.5	25.8	“	29.5	20.2	-	“	“	“	14.0	3.5	“	23	C51155****□3AF5+○0
2.0	29.4	“	33.8	23.1	-	“	“	“	“	3.5	20.5	25	C51205****□3AF5+○0
1.5	22.0	58.0	24.9	17.2	-	“	425	5.0	“	-	-	26	C51155****□3AH5+○0
2.0	25.0	“	28.6	19.4	-	“	“	4.5	“	4.0	15.0	27	C51205****□3AH5+○0
2.2	26.1	“	29.7	20.5	-	“	“	4.0	“	3.5	15.7	28	C51225****□3AH5+○0
2.5	27.6	“	31.3	22.0	-	“	“	“	“	“	17.0	“	C51255****□3AH5+○0
3.0	30.1	“	34.5	23.7	-	“	“	“	“	“	19.2	29	C51305****□3AH5+○0
3.3	31.4	“	35.8	25.0	-	“	“	“	“	“	20.4	30	C51335****□3AH5+○0
4.0	34.4	“	38.7	27.9	-	“	“	“	“	“	21.0	31	C51405****□3AH5+○0
4.7	37.1	“	41.3	30.5	-	“	“	“	“	“	22.0	32	C51475****□3AH5+○0

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 1200V.DC/600V.AC													
0.047	9.7	29.0	13.4	7.1	-	0.8	1600	20.0	3.4	-	-	15	C51473****□3CC3+○0
0.068	11.0	“	14.8	8.5	-	“	“	15.5	4.2	-	-	“	C51683****□3CC3+○0
0.1	10.2	“	16.7	10.4	-	“	“	12.0	5.2	-	-	“	C51104****□3CC3+○0
0.15	14.8	“	19.1	12.8	-	“	“	9.2	6.6	-	-	16	C51154****□3CC3+○0
0.22	17.4	“	22.8	14.9	-	1.0	“	7.0	8.5	-	-	“	C51224****□3CC4+○0
0.1	11.4	34.0	15.3	9.0	-	0.8	1350	13.5	5.5	-	-	17	C51104****□3CD3+○0
0.15	13.3	“	17.4	11.1	-	“	“	10.0	6.5	-	-	“	C51154****□3CD3+○0
0.22	15.2	“	19.8	13.5	-	“	“	6.8	9.0	-	-	18	C51224****□3CD3+○0
0.33	18.4	“	23.8	16.0	-	1.0	“	5.5	9.4	-	-	“	C51334****□3CD4+○0
0.47	21.5	“	27.2	19.3	-	1.2	“	4.0	11.9	-	-	“	C51474****□3CD5+○0
0.22	13.4	39.0	17.8	11.5	-	0.8	1050	8.5	6.5	-	-	19	C51224****□3CE3+○0
0.33	16.1	“	21.4	13.5	-	1.0	“	6.5	7.7	-	-	“	C51334****□3CE4+○0
0.47	18.7	“	24.2	16.4	-	“	“	5.0	10.5	-	-	“	C51474****□3CE4+○0
0.68	22.0	“	27.8	20.0	-	1.2	“	4.5	12.1	-	-	20	C51684****□3CE5+○0
1.0	26.2	“	33.2	23.8	-	“	“	4.0	14.0	3.5	15.5	22	C51105****□3CE5+○0
1.2	28.5	“	36.5	25.5	-	“	“	4.0	14.0	3.2	16.5	23	C51125****□3CE5+○0
0.33	15.0	44.0	19.2	13.0	-	0.8	1000	6.7	9.0	-	-	21	C51334****□3CF3+○0
0.47	17.3	“	22.7	14.9	-	1.0	“	5.5	9.8	-	-	“	C51474****□3CF4+○0
0.68	20.4	“	26.0	18.1	-	1.2	“	5.0	11.7	-	-	“	C51684****□3CF5+○0
1.0	24.2	“	31.0	21.5	-	“	“	4.5	14.0	-	-	22	C51105****□3CF5+○0
1.2	26.3	“	33.2	23.8	-	“	“	4.0	“	3.5	15.9	23	C51125****□3CF5+○0
1.5	29.1	“	37.1	26.1	-	“	“	“	“	“	18.6	25	C51155****□3CF5+○0
1.5	24.2	58.0	31.0	21.6	-	“	600	5.0	“	4.5	-	28	C51155****□3CH5+○0
2.0	27.6	“	34.7	25.3	-	“	“	4.5	“	4.0	17.5	29	C51205****□3CH5+○0
2.2	28.9	“	36.9	25.9	-	“	“	4.0	“	3.5	18.0	“	C51225****□3CH5+○0
2.5	30.6	“	38.8	27.8	-	“	“	“	“	“	19.0	30	C51255****□3CH5+○0
3.0	33.4	“	42.5	29.9	-	“	“	“	“	“	20.0	31	C51305****□3CH5+○0
3.3	34.9	“	44.2	31.6	-	“	“	“	“	“	21.0	32	C51335****□3CH5+○0
4.0	38.2	“	48.5	34.4	-	“	“	“	“	“	22.0	33	C51405****□3CH5+○0

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 1500V.DC/650V.AC													
0.033	10.5	29.0	12.5	6.5	-	0.8	2300	28.0	3.3	-	-	15	C51333****□3GC3+00
0.047	11.8	“	13.9	7.8	-	“	“	21.1	4.2	-	-	“	C51473****□3GC3+00
0.068	13.5	“	15.6	9.5	-	“	“	15.0	5.5	-	-	16	C51683****□3GC3+00
0.1	15.7	“	17.8	11.7	-	1.0	“	10.4	7.2	-	-	“	C51104****□3GC4+00
0.068	12.2	34.0	14.3	8.2	-	0.8	1750	16.0	4.1	-	-	17	C51683****□3GD3+00
0.1	14.1	“	16.2	10.1	-	“	“	12.0	5.8	-	-	“	C51104****□3GD3+00
0.15	16.6	“	19.6	11.9	-	1.0	“	8.5	6.5	-	-	“	C51154****□3GD4+00
0.22	19.5	“	22.4	14.8	-	“	“	6.7	8.4	-	-	19	C51224****□3GD4+00
0.33	23.3	“	26.2	18.5	-	1.2	“	4.5	11.1	-	-	“	C51334****□3GD5+00
0.1	13.0	39.0	15.1	9.0	-	0.8	1450	10.0	6.0	-	-	“	C51104****□3GE3+00
0.22	17.8	“	20.7	13.1	-	1.0	“	7.5	8.0	-	-	“	C51224****□3GE4+00
0.33	21.2	“	24.1	16.4	-	1.2	“	6.3	10.4	-	-	20	C51334****□3GE5+00
0.47	24.8	“	27.7	20.0	-	“	“	5.0	12.5	-	-	21	C51474****□3GE5+00
0.68	29.3	“	33.0	23.7	-	“	“	4.3	13.0	-	-	23	C51684****□3GE5+00
0.22	16.4	44.0	19.4	11.8	-	1.0	1200	8.5	8.0	-	-	21	C51224****□3GF4+00
0.33	19.5	“	22.4	14.8	-	1.0	“	6.5	10.2	-	-	22	C51334****□3GF4+00
0.47	22.8	“	25.7	18.0	-	1.2	“	5.2	10.2	-	-	“	C51474****□3GF5+00
0.68	26.9	“	30.6	21.3	-	“	“	4.5	14.0	4.0	16.3	24	C51684****□3GF5+00
1.0	32.1	“	36.5	25.7	-	“	“	4.0	“	3.5	17.0	26	C51105****□3GF5+00
1.0	26.4	58.0	30.0	20.8	-	“	750	5.0	“	4.5	16.0	28	C51105****□3GH5+00
1.2	28.7	“	32.3	23.1	-	“	“	4.5	“	4.0	17.0	29	C51125****□3GH5+00
1.5	31.8	“	36.1	25.3	-	“	“	4.3	“	3.8	18.0	30	C51155****□3GH5+00
2.0	36.4	“	40.6	29.8	-	“	“	4.0	“	3.5	19.0	32	C51205****□3GH5+00
2.2	38.0	“	43.1	30.7	-	“	“	“	“	“	20.0	33	C51225****□3GH5+00
2.5	40.4	“	46.2	32.3	-	“	“	“	“	“	21.0	34	C51255****□3GH5+00

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 1600V.DC/1700V.DC/675V.AC													
0.033	11.0	29.0	13.1	7.0	-	0.8	2500	25.6	4.1	-	-	15	C51333****□3HC3+00
0.047	12.5	“	14.6	8.5	-	“	“	18.5	5.8	-	-	“	C51473****□3HC3+00
0.068	14.4	“	16.5	10.4	-	“	“	13.2	6.1	-	-	16	C51683****□3HC3+00
0.1	6.8	“	19.8	12.1	-	1.0	“	9.2	7.8	-	-	16	C51104****□3HC4+00
0.068	12.9	34.0	15.0	8.9	-	0.8	1900	17.9	5.3	-	-	17	C51683****□3HD3+00
0.1	15.0	“	18.0	10.4	-	1.0	“	12.5	7.5	-	-	“	C51104****□3HD4+00
0.15	17.7	“	20.7	13.0	-	“	“	8.5	8.6	-	-	18	C51154****□3HD3+00
0.22	20.9	“	23.8	16.1	-	1.2	“	6.0	10.0	-	-	“	C51224****□3HD4+00
0.33	25.0	“	29.5	18.7	-	“	“	5.5	12.5	-	-	20	C51334****□3HD4+00
0.1	13.8	39.0	15.9	9.8	-	0.8	1650	16.1	6.2	-	-	19	C51104****□3HE3+00
0.22	19.0	“	21.9	14.3	-	1.0	“	7.6	9.5	-	-	20	C51224****□3HE4+00
0.33	22.7	“	25.6	17.9	-	1.2	“	5.2	12.4	-	-	“	C51334****□3HE5+00
0.47	26.6	“	30.2	21.0	-	“	“	4.5	14.0	-	-	22	C51474****□3HE5+00
0.68	31.5	“	35.9	25.1	-	“	“	4.0	“	-	17.3	24	C51684****□3HE5+00
0.22	17.5	44.0	20.5	12.8	-	1.0	1400	9.5	8.6	-	-	21	C51224****□3HF4+00
0.33	20.9	“	23.8	16.1	-	1.2	“	6.5	11.0	-	-	“	C51334****□3HF5+00
0.47	24.4	“	27.3	19.6	-	“	“	5.0	13.2	-	-	22	C51474****□3HF5+00
0.68	28.9	“	32.5	23.2	-	“	“	4.5	14.0	4.0	16.0	24	C51684****□3HF5+00
1.0	34.5	“	43.1	24.5	-	“	“	4.0	“	3.5	18.0	27	C51105****□3HF5+00
1.5	41.8	“	49.2	31.4	-	“	“	“	“	“	21.0	31	C51155****□3HF5+00
1.0	28.3	58.0	31.9	22.7	-	“	780	5.0	“	4.5	16.5	29	C51105****□3HH5+00
1.2	30.7	“	36.8	22.9	-	“	“	4.5	“	4.0	17.0	30	C51125****□3HH5+00
1.5	34.1	“	40.9	25.4	-	“	“	4.2	“	3.7	19.0	31	C51155****□3HH5+00
2.0	39.0	“	46.5	29.5	-	“	“	4.0	“	3.6	21.0	34	C51205****□3HH5+00
2.2	40.8	“	49.1	30.5	-	“	“	“	“	3.5	22.0	35	C51225****□3HH5+00
2.5	43.4	“	51.6	33.0	-	“	“	“	“	“	22.5	36	C51255****□3HH5+00

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 2000V.DC/700V.AC													
0.022	10.2	29.0	12.8	6.7	-	0.8	61	32.8	3.2	-	-	15	C51223****□3KC3+○0
0.033	11.6	“	14.3	8.2	-	“	91	22.8	4.0	-	-	“	C51333****□3KC3+○0
0.047	13.2	“	16.0	9.9	-	“	129	16.5	6.0	-	-	16	C51473****□3KC3+○0
0.068	15.2	“	18.2	12.1	-	1.0	187	11.7	7.0	-	-	15	C51683****□3KC4+○0
0.047	12.0	34.0	14.7	8.6	-	0.8	99	22.5	5.1	-	-	17	C51473****□3KD3+○0
0.068	13.7	“	16.5	10.4	-	“	143	16.0	6.7	-	-	“	C51683****□3KD3+○0
0.1	15.9	“	19.8	12.1	-	1.0	210	11.1	8.4	-	-	“	C51104****□3KD4+○0
0.15	18.8	“	22.9	15.2	-	“	315	7.6	10.1	-	-	18	C51154****□3KD4+○0
0.22	22.2	“	26.5	18.8	-	1.2	462	5.5	11.0	-	-	19	C51224****□3KD5+○0
0.068	12.6	39.0	15.4	9.3	-	0.8	126	20.6	5.8	-	-	“	C51683****□3KE3+○0
0.1	14.6	“	17.5	11.4	-	“	185	14.3	6.8	-	-	“	C51104****□3KE3+○0
0.15	17.2	“	21.1	13.5	-	1.0	278	9.8	8.5	-	-	“	C51154****□3KE4+○0
0.22	20.2	“	24.3	16.7	-	1.2	407	6.8	10.7	-	-	“	C51224****□3KE4+○0
0.33	24.2	“	28.5	20.9	-	“	611	4.6	14.0	-	-	21	C51334****□3KE5+○0
0.39	26.0	“	30.5	22.9	-	“	721	4.3	“	-	-	22	C51394****□3KE5+○0
0.47	28.4	“	33.7	24.5	-	“	870	4.0	14.0	3.5	16.3	23	C51474****□3KE5+○0
0.1	13.6	44.0	16.4	10.3	-	1.0	165	18.0	6.4	-	-	21	C51104****□3KF4+○0
0.15	15.9	“	19.8	12.1	-	“	248	12.3	8.9	-	-	20	C51154****□3KF4+○0
0.22	18.7	“	22.7	15.0	-	“	363	8.5	10.1	-	-	21	C51224****□3KF4+○0
0.33	22.2	“	26.5	18.8	-	1.2	545	5.8	13.0	-	-	22	C51334****□3KF5+○0
0.47	26.0	“	31.3	22.1	-	“	776	4.1	14.0	3.6	15.1	23	C51474****□3KF5+○0
0.68	31.4	“	37.9	25.6	-	“	1122	4.0	“	3.5	18.0	26	C51684****□3KF5+○0
0.68	26.9	58.0	30.5	21.3	-	“	578	5.0	“	4.5	15.8	28	C51684****□3KH5+○0
1.0	32.1	“	38.1	24.2	-	“	850	4.5	“	4.0	17.5	30	C51105****□3KH5+○0
1.2	34.9	“	40.9	26.9	-	“	1020	4.0	“	3.5	18.0	32	C51125****□3KH5+○0
1.3	36.2	“	42.2	28.2	-	“	1105	“	“	“	18.5	32	C51135****□3KH5+○0
1.5	38.8	“	45.4	29.9	-	“	1275	“	“	“	20.0	34	C51155****□3KH5+○0

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 2500V.DC/725V.AC													
0.01	9.9	29.0	12.0	5.9	-	0.8	117	53.5	2.3	-	-	15	C51103****□3NC3+○0
0.015	11.1	“	13.2	7.1	-	“	176	37.6	2.9	-	-	“	C51153****□3NC3+○0
0.022	12.6	“	14.7	8.6	-	“	257	26.7	3.5	-	-	“	C51223****□3NC3+○0
0.033	14.7	“	16.7	10.7	-	“	386	18.4	4.8	-	-	16	C51333****□3NC3+○0
0.033	13.2	34.0	15.3	9.2	-	“	257	25.4	3.9	-	-	17	C51333****□3ND3+○0
0.047	15.1	“	17.2	11.1	-	1.0	367	18.3	5.3	-	-	“	C51473****□3ND4+○0
0.068	17.5	“	20.4	12.8	-	“	530	13.0	7.0	-	-	18	C51683****□3ND4+○0
0.1	20.5	“	23.4	15.8	-	1.2	780	9.0	8.6	-	-	“	C51104****□3ND5+○0
0.15	24.5	“	27.3	19.7	-	“	1170	6.1	10.5	-	-	20	C51154****□3ND5+○0
0.082	17.3	39.0	20.2	12.6	-	1.0	517	14.2	5.1	-	-	19	C51823****□3NE4+○0
0.1	18.7	“	21.7	14.0	-	“	630	11.7	7.1	-	-	20	C51104****□3NE4+○0
0.15	22.3	“	25.2	17.5	-	1.2	945	8.0	7.5	-	-	“	C51154****□3NE5+○0
0.22	26.4	“	30.0	20.8	-	“	1386	5.6	11.0	-	-	22	C51224****□3NE5+○0
0.33	31.7	“	36.0	25.3	-	“	2079	4.0	14.0	-	-	25	C51334****□3NE5+○0
0.47	37.3	“	42.4	30.0	-	“	2961	4.0	14.0	3.5	16.0	28	C51474****□3NE5+○0
0.1	17.3	44.0	20.3	10.2	-	1.0	585	14.9	6.8	-	-	21	C51104****□3NF4+○0
0.15	20.5	“	23.4	15.8	-	1.2	878	10.1	9.2	-	-	“	C51154****□3NF5+○0
0.22	24.2	“	27.1	19.5	-	“	1287	7.0	10.4	-	-	22	C51224****□3NF5+○0
0.33	29.1	“	32.7	23.4	-	“	1931	4.8	14.0	-	-	25	C51334****□3NF5+○0
0.47	34.2	“	38.5	27.7	-	“	2750	4.0	“	3.5	17.0	27	C51474****□3NF5+○0
0.68	40.6	“	46.4	32.4	-	“	3978	“	“	3.5	17.5	31	C51684****□3NF5+○0
0.33	24.0	58.0	26.8	19.2	-	“	916	8.5	10.6	-	-	27	C51334****□3NH5+○0
0.47	28.1	“	31.7	22.5	-	“	1304	6.0	13.2	-	-	29	C51474****□3NH5+○0
0.68	33.2	“	37.6	26.8	-	“	1887	4.2	14.0	3.7	16.5	31	C51684****□3NH5+○0
0.82	36.2	“	40.5	29.7	-	“	2276	4.0	“	3.5	17.0	32	C51824****□3NH5+○0
1.0	39.7	“	45.6	31.6	-	“	2775	“	“	“	18.0	34	C51105****□3NH5+○0

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 3000V.DC/750V.AC													
0.0068	10.1	29.0	12.2	6.1	-	0.8	33	65.1	2.0	-	-	15	C51682****□3SC3+○0
0.010	11.2	“	13.3	7.2	-	“	48	46.7	2.5	-	-	“	C51103****□3SC3+○0
0.015	12.8	“	14.9	8.8	-	“	72	32.6	3.0	-	-	“	C51153****□3SC3+○0
0.010	10.4	34.0	12.5	6.4	-	“	35	64.7	2.2	-	-	17	C51103****□3SD3+○0
0.015	11.7	“	13.8	7.7	-	“	53	45.3	2.7	-	-	“	C51153****□3SD3+○0
0.022	13.3	“	15.4	9.3	-	“	77	32.0	3.3	-	-	“	C51223****□3SD3+○0
0.033	15.4	“	17.5	11.4	-	1.0	116	22.1	4.1	-	-	“	C51333****□3SD4+○0
0.047	17.7	“	20.6	13.0	-	“	165	15.8	5.5	-	-	18	C51473****□3SD4+○0
0.068	20.6	“	23.5	15.8	-	1.2	238	11.2	7.3	-	-	“	C51683****□3SD5+○0
0.047	16.2	39.0	19.2	11.6	-	1.0	118	20.8	4.5	-	-	19	C51473****□3SE4+○0
0.068	18.8	“	21.7	14.1	-	1.0	170	14.7	6.0	-	-	20	C51683****□3SE4+○0
0.10	22.1	“	25.0	17.3	-	1.2	250	10.2	7.5	-	-	“	C51104****□3SE5+○0
0.15	26.4	“	30.0	20.8	-	“	375	7.0	9.3	-	-	22	C51154****□3SE5+○0
0.22	31.3	“	35.7	24.9	-	“	550	4.9	12.3	-	-	24	C51224****□3SE5+○0
0.047	15.1	44.0	18.1	10.5	-	1.0	99	26.7	5.1	-	-	20	C51473****□3SF4+○0
0.068	17.4	“	20.4	10.2	-	“	143	18.8	6.3	-	-	21	C51683****□3SF4+○0
0.10	20.4	“	23.3	15.7	-	1.2	210	13.1	7.9	-	-	21	C51104****□3SF5+○0
0.15	24.3	“	27.1	19.5	-	“	315	8.9	10.2	-	-	22	C51154****□3SF5+○0
0.22	28.7	“	32.4	23.1	-	“	462	6.1	13.2	-	-	24	C51224****□3SF5+○0
0.22	23.8	58.0	26.6	19.0	-	“	281	11.1	11.0	-	-	27	C51224****□3SH5+○0
0.33	28.4	“	32.1	22.8	-	“	421	7.5	14.0	-	-	29	C51334****□3SH5+○0
0.47	33.3	“	37.7	26.9	-	“	599	5.4	“	5.0	16.0	31	C51474****□3SH5+○0
0.56	36.1	“	41.3	28.9	-	“	714	4.5	“	4.0	17.0	32	C51564****□3SH5+○0
0.60	37.3	“	42.4	30.0	-	“	765	4.3	“	3.8	18.0	33	C51604****□3SH5+○0

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements

◇ 1.“****”表示内部特征码；“****”=Internal use

◇ 2.“□”表示容量偏差；“□”= Capacitance tolerance

◇ 3.“+”表示脚距；“+”= Pitch

◇ 4.“○”表示型体；“○”= Body type