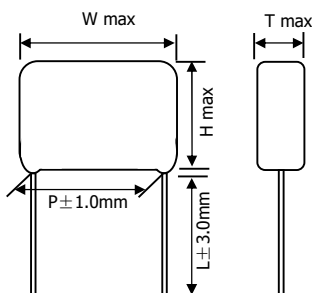


# C14 系列 SERIES

## ■ 外形图



## ■ Outline Drawing



## ■ 特点

- 损耗小、内部温升小
- 负电容量温度系数
- 优异的阻燃、防潮性能

## ■ Features

- Low dissipation factor ,Low temperature rise inside
- Negative temperature coefficient of capacitance
- Excellent flame retardant and moisture proof

## ■ 主要用途

- 适用于高脉冲、大电流电路
- 适用于电子镇流器

## ■ Typical application

- Widely used in high pulse and high current loading circuit
- Suitable for electronic ballast

## ■ 技术参数 Technical Specifications

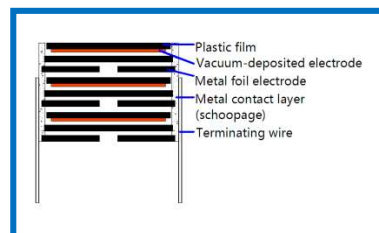
项目 Items	性能要求 Characteristics	
引用标准 Reference Standard	GB/T 14579 (IEC60384-17)	
气候类别 Climatic Category	40/105/21	
额定温度 Rate Temperature	85°C	
工作温度范围 Operating Temperature Range	-40~105°C (+85°C to +105°C: decreasing factor 1.25% per °C for V <sub>R</sub> (DC))	
额定电压 Rated Voltage	630V、1000V、1250V、1600V、2000V	
电容量范围 Capacitance Range	0.001μF~0.036μF	
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) (1kHz)	
耐电压 Voltage Proof	1.6*U <sub>R</sub> (5S)	
损耗角正切 Dissipation Factor	≤10×10 <sup>-4</sup> (20°C;1kHz)	
绝缘电阻 Insulation Resistance	≥100 000 MΩ (20°C,100VDC,1min)	
最大脉冲爬升速率: Maximum Pulse Rise Time(dv/dt):若实际工作电压 U 比额定电压 U <sub>R</sub> 低, 电容器工作在更高的 dv/dt 场合, 这样 dv/dt 允许值应为右表值乘以 U <sub>R</sub> /U。 If the working voltage (U) is lower than the rated voltage(U <sub>R</sub> ), the capacitor can be worked at a higher dv/dt. In this case, the maximum allowed dv/dt is obtain by multiplying the right value with U <sub>R</sub> /U	U <sub>R</sub> (V)	dv/dt(V/us) P=15
	630	11000
	1000/1250	28000
	1600	32000
	2000	35000

## ■ 产品结构

- 介 质: 聚丙烯箔式
- 电容器电极:  
真空蒸镀+金属箔电极
- 内部结构:

## ■ Construction

- Dielectric: Polypropylene film/foil
- Capacitor electrodes:  
Vacuum-deposited & foil
- Internal construction



### ■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

630VDC/400VAC							1000VDC/1250VDC/450VAC						
C <sub>N</sub> (uF)	尺寸 Dimensions(mm)					编号 Part No.	C <sub>N</sub> (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	18.0	10.0	5.7	15.0	0.8	C14102**E*□25C+000	0.0010	18.0	10.1	5.7	15.0	0.8	C14102**E*□3AC+000
0.0012	“	10.5	6.0	“	“	C14122**E*□25C+000	0.0012	“	10.5	6.0	“	“	C14122**E*□3AC+000
0.0015	“	11.0	6.5	“	“	C14152**E*□25C+000	0.0015	“	11.0	6.5	“	“	C14152**E*□3AC+000
0.0016	“	11.6	6.4	“	“	C14162**E*□25C+000	0.0016	“	11.6	6.4	“	“	C14162**E*□3AC+000
0.0018	“	11.9	6.7	“	“	C14182**E*□25C+000	0.0018	“	11.9	6.7	“	“	C14182**E*□3AC+000
0.0020	“	12.2	7.0	“	“	C14202**E*□25C+000	0.0020	“	12.2	7.0	“	“	C14202**E*□3AC+000
0.0022	“	12.5	7.3	“	“	C14222**E*□25C+000	0.0022	“	12.5	7.3	“	“	C14222**E*□3AC+000
0.0024	“	12.7	7.5	“	“	C14242**E*□25C+000	0.0024	“	12.7	7.5	“	“	C14242**E*□3AC+000
0.0027	“	13.1	7.9	“	“	C14272**E*□25C+000	0.0027	“	13.6	7.9	“	“	C14272**E*□3AC+000
0.0030	“	13.5	8.3	“	“	C14302**E*□25C+000	0.0030	“	14.0	8.3	“	“	C14302**E*□3AC+000
0.0033	“	13.8	8.6	“	“	C14332**E*□25C+000	0.0033	“	14.3	8.6	“	“	C14332**E*□3AC+000
0.0036	“	11.7	6.5	“	“	C14362**E*□25C+000	0.0036	“	11.7	6.5	“	“	C14362**E*□3AC+000
0.0039	“	12.0	6.7	“	“	C14392**E*□25C+000	0.0039	“	12.0	6.7	“	“	C14392**E*□3AC+000
0.0043	“	12.2	7.0	“	“	C14432**E*□25C+000	0.0043	“	12.2	7.0	“	“	C14432**E*□3AC+000
0.0047	“	12.5	7.3	“	“	C14472**E*□25C+000	0.0047	“	12.5	7.3	“	“	C14472**E*□3AC+000
0.0049	“	11.9	6.7	“	“	C14492**E*□25C+000	0.0049	“	12.6	7.4	“	“	C14492**E*□3AC+000
0.0051	“	12.0	6.8	“	“	C14512**E*□25C+000	0.0051	“	12.8	7.5	“	“	C14512**E*□3AC+000
0.0053	“	12.1	6.9	“	“	C14532**E*□25C+000	0.0053	“	12.9	7.7	“	“	C14532**E*□3AC+000
0.0056	“	11.5	6.2	“	“	C14562**E*□25C+000	0.0056	“	12.1	6.9	“	“	C14562**E*□3AC+000
0.0060	“	11.6	6.4	“	“	C14602**E*□25C+000	0.0060	“	12.3	7.1	“	“	C14602**E*□3AC+000
0.0062	“	11.7	6.5	“	“	C14622**E*□25C+000	0.0062	“	12.4	7.2	“	“	C14622**E*□3AC+000
0.0065	“	11.8	6.6	“	“	C14652**E*□25C+000	0.0065	“	12.6	7.4	“	“	C14652**E*□3AC+000
0.0068	“	12.0	6.8	“	“	C14682**E*□25C+000	0.0068	“	12.7	7.5	“	“	C14682**E*□3AC+000
0.0072	“	12.1	6.9	“	“	C14722**E*□25C+000	0.0072	“	12.9	7.7	“	“	C14722**E*□3AC+000
0.0075	“	12.2	7.0	“	“	C14752**E*□25C+000	0.0075	“	13.5	7.8	“	“	C14752**E*□3AC+000
0.0078	“	12.4	7.1	“	“	C14782**E*□25C+000	0.0078	“	13.7	8.0	“	“	C14782**E*□3AC+000
0.0082	“	12.5	7.3	“	“	C14822**E*□25C+000	0.0082	“	13.9	8.1	“	“	C14822**E*□3AC+000
0.0084	“	12.6	7.4	“	“	C14842**E*□25C+000	0.0084	“	13.9	8.2	“	“	C14842**E*□3AC+000
0.0091	“	12.8	7.6	“	“	C14912**E*□25C+000	0.0091	“	14.2	9.0	“	“	C14912**E*□3AC+000
0.010	“	13.2	8.0	“	“	C14103**E*□25C+000	0.010	“	14.6	9.4	“	“	C14103**E*□3AC+000
0.012	“	11.4	6.2	“	“	C14123**E*□25C+000	0.012	“	15.4	10.2	“	“	C14123**E*□3AC+000
0.015	“	12.0	6.8	“	“	C14153**E*□25C+000	0.015	“	14.9	9.7	“	“	C14153**E*□3AC+000
0.018	“	12.6	7.4	“	“	C14183**E*□25C+000	0.018	“	15.7	10.5	“	“	C14183**E*□3AC+000
0.022	“	13.8	8.1	“	“	C14223**E*□25C+000	0.022	“	16.7	11.5	“	“	C14223**E*□3AC+000
0.024	“	14.1	8.4	“	“	C14243**E*□25C+000							
0.027	“	14.6	8.9	“	“	C14273**E*□25C+000							
0.033	“	16.4	9.1	“	“	C14333**E*□25C+000							
0.036	“	16.8	9.5	“	“	C14363**E*□25C+000							

◇ 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

□: 容量偏差 Tolerance +: 脚型 Lead kinked

1600VDC/450VAC							2000VDC/500VAC						
C <sub>N</sub> (uF)	尺寸 Dimensions(mm)					编号 Part No.	C <sub>N</sub> (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	18.0	10.4	6.0	15.0	0.8	C14102**E*□3HC+000	0.0010	18.0	10.4	6.0	15.0	0.8	C14102**E*□3KC+000
0.0012	“	10.8	6.4	“	“	C14122**E*□3HC+000	0.0012	“	10.8	6.4	“	“	C14122**E*□3KC+000
0.0015	“	11.3	6.9	“	“	C14152**E*□3HC+000	0.0015	“	11.3	6.9	“	“	C14152**E*□3KC+000
0.0016	“	12.0	6.8	“	“	C14162**E*□3HC+000	0.0016	“	12.0	6.8	“	“	C14162**E*□3KC+000
0.0018	“	12.3	7.1	“	“	C14182**E*□3HC+000	0.0018	“	12.3	7.1	“	“	C14182**E*□3KC+000
0.0020	“	12.7	7.4	“	“	C14202**E*□3HC+000	0.0020	“	12.7	7.4	“	“	C14202**E*□3KC+000
0.0022	“	12.9	7.7	“	“	C14222**E*□3HC+000	0.0022	“	12.9	7.7	“	“	C14222**E*□3KC+000
0.0024	“	13.7	8.0	“	“	C14242**E*□3HC+000	0.0024	“	11.8	6.6	“	“	C14242**E*□3KC+000
0.0027	“	11.4	6.2	“	“	C14272**E*□3HC+000	0.0027	“	12.1	6.9	“	“	C14272**E*□3KC+000
0.0030	“	11.7	6.5	“	“	C14302**E*□3HC+000	0.0030	“	12.4	7.2	“	“	C14302**E*□3KC+000
0.0033	“	11.9	6.7	“	“	C14332**E*□3HC+000	0.0033	“	12.7	7.5	“	“	C14332**E*□3KC+000
0.0036	“	11.4	6.2	“	“	C14362**E*□3HC+000	0.0036	“	12.2	7.0	“	“	C14362**E*□3KC+000
0.0039	“	11.6	6.4	“	“	C14392**E*□3HC+000	0.0039	“	12.4	7.2	“	“	C14392**E*□3KC+000
0.0043	“	11.8	6.6	“	“	C14432**E*□3HC+000	0.0043	“	12.7	7.5	“	“	C14432**E*□3KC+000
0.0047	“	12.1	6.9	“	“	C14472**E*□3HC+000	0.0047	“	13.5	7.8	“	“	C14472**E*□3KC+000
0.0049	“	12.2	7.0	“	“	C14492**E*□3HC+000	0.0049	“	13.7	8.0	“	“	C14492**E*□3KC+000
0.0051	“	12.3	7.1	“	“	C14512**E*□3HC+000	0.0051	“	13.8	8.1	“	“	C14512**E*□3KC+000
0.0053	“	12.4	7.2	“	“	C14532**E*□3HC+000	0.0053	“	13.9	8.2	“	“	C14532**E*□3KC+000
0.0056	“	12.6	7.4	“	“	C14562**E*□3HC+000	0.0056	“	14.2	8.4	“	“	C14562**E*□3KC+000
0.0060	“	12.8	7.6	“	“	C14602**E*□3HC+000	0.0060	“	14.4	9.2	“	“	C14602**E*□3KC+000
0.0062	“	12.9	7.7	“	“	C14622**E*□3HC+000	0.0062	“	14.5	9.3	“	“	C14622**E*□3KC+000
0.0065	“	13.6	7.9	“	“	C14652**E*□3HC+000	0.0065	“	14.7	9.5	“	“	C14652**E*□3KC+000
0.0068	“	13.7	8.0	“	“	C14682**E*□3HC+000	0.0068	“	14.9	9.7	“	“	C14682**E*□3KC+000
0.0072	“	13.9	8.2	“	“	C14722**E*□3HC+000	0.0072	“	15.2	9.9	“	“	C14722**E*□3KC+000
0.0075	“	14.1	8.4	“	“	C14752**E*□3HC+000	0.0075	“	15.3	10.1	“	“	C14752**E*□3KC+000
0.0078	“	14.2	9.0	“	“	C14782**E*□3HC+000	0.0078	“	15.5	10.3	“	“	C14782**E*□3KC+000
0.0082	“	14.4	9.2	“	“	C14822**E*□3HC+000	0.0082	“	15.7	10.5	“	“	C14822**E*□3KC+000
0.0084	“	14.5	9.3	“	“	C14842**E*□3HC+000	0.0084	“	15.8	10.6	“	“	C14842**E*□3KC+000
0.0091	“	14.9	9.6	“	“	C14912**E*□3HC+000	0.0091	“	16.2	11.0	“	“	C14912**E*□3KC+000
0.010	“	15.3	10.0	“	“	C14103**E*□3HC+000	0.010	“	16.7	11.5	“	“	C14103**E*□3KC+000
0.012	“	16.1	10.9	“	“	C14123**E*□3HC+000		“			“	“	

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