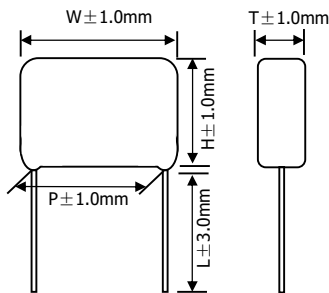


C31 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 采用金属化聚脂薄膜无感卷绕结构。
- 使用阻燃性（UL94V-0）环氧树脂包封。
- 具有良好自愈性、可靠性、容量稳定性高、体积小。

■ Features

- High impedance, non inductance structure, winding metallized polyester film
- High reliability and stability of capacitance
- Self-healing property

■ 主要用途

- 用于直流和脉动电路，广泛用于各种电子电器工业设备的滤波、隔直、旁路、耦合、降噪。

■ Typical application

- Widely used for the DC and pulse circuit, Used in electrical and industrial equipment for filtering blocking etc.

■ 技术参数 Technical Specifications

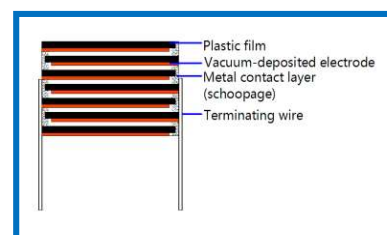
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T 7332 (IEC60384-2)		
气候类别 Climatic Category	40/125/21		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-40~125℃ (+85℃to +125℃:decreasing factor 1.25% per °C for VR(DC))		
额定电压 Rated Voltage	250V、400V、450V、630V		
电容量范围 Capacitance Range	0.01μF~10μF		
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)		
耐电压 Voltage Proof	1.4*UR(5S)		
损耗角正切 Dissipation Factor	≤10×10 ⁻³ (20℃;1kHz)		
绝缘电阻 Insulation Resistance	UR > 100V	CR ≤ 0.33 μF ≥ 7500 MΩ CR > 0.33 μF ≥ 2500 S	20℃, 100VDC, 1min

■ 产品结构

介 质：聚酯薄膜
电容器电极：真空蒸镀电极
内部结构：

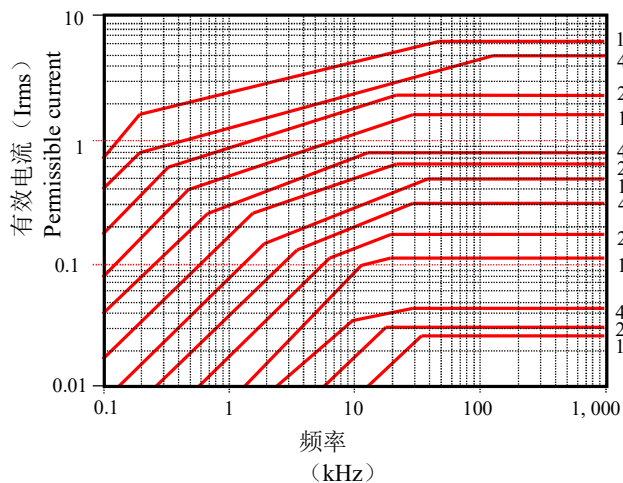
■ Construction

Dielectric: Polyester film
Capacitor electrodes: Vacuum-deposited
Internal construction

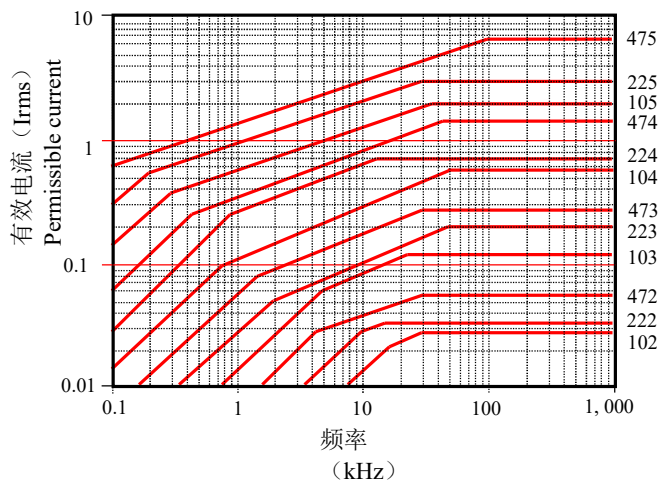


■ 相对于频率的允许电流 Permissible current for frequency

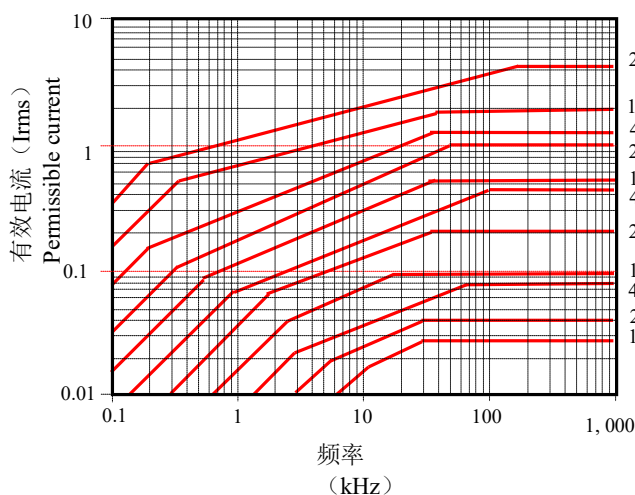
C31/250V



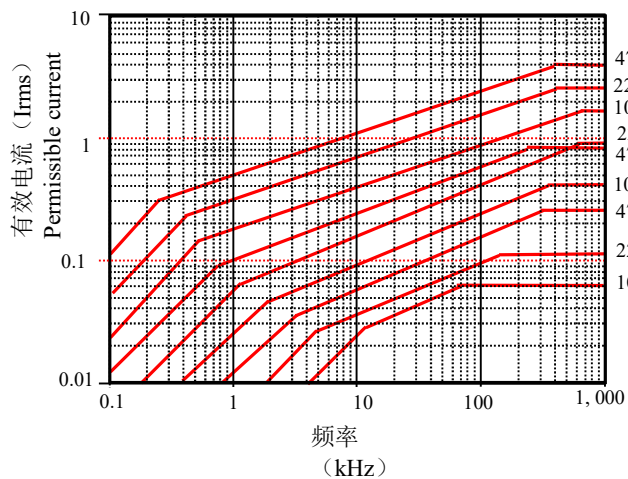
C31/400V/450V



C31/630V



C31/1000V



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

250VDC/160VAC							400VDC/450VDC/200VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	11.5	7.0	3.5	10.0	0.6	C31102**C*□2NB+000	0.0010	11.5	7.0	3.5	10.0	0.6	C31102**C*□2WB+000
0.0012	“	“	“	“	“	C31122**C*□2NB+000	0.0012	“	“	“	“	“	C31122**C*□2WB+000
0.0015	“	7.0	3.5	“	“	C31152**C*□2NB+000	0.0015	“	7.0	3.5	“	“	C31152**C*□2WB+000
0.0018	“	7.5	3.7	“	“	C31182**C*□2NB+000	0.0018	“	7.5	3.7	“	“	C31182**C*□2WB+000
0.0022	“	“	4.0	“	“	C31222**C*□2NB+000	0.0022	“	“	4.0	“	“	C31222**C*□2WB+000
0.0027	“	8.0	4.3	“	“	C31272**C*□2NB+000	0.0027	“	8.0	4.3	“	“	C31272**C*□2WB+000
0.0033	“	“	4.5	“	“	C31332**C*□2NB+000	0.0033	“	“	4.5	“	“	C31332**C*□2WB+000
0.0039	“	8.5	5.0	“	“	C31392**C*□2NB+000	0.0039	“	8.5	5.0	“	“	C31392**C*□2WB+000
0.0047	“	9.0	5.5	“	“	C31472**C*□2NB+000	0.0047	“	7.0	3.5	“	“	C31472**C*□2WB+000
0.0056	“	9.5	5.8	“	“	C31562**C*□2NB+000	0.0056	“	7.5	4.0	“	“	C31562**C*□2WB+000
0.0068	“	7.5	4.0	“	“	C31682**C*□2NB+000	0.0068	“	“	4.2	“	“	C31682**C*□2WB+000
0.0082	“	8.0	4.5	“	“	C31822**C*□2NB+000	0.0082	“	8.0	4.5	“	“	C31822**C*□2WB+000
0.010	“	7.0	3.5	“	“	C31103**C*□2NB+000	0.010	“	8.5	5.0	“	“	C31103**C*□2WB+000
0.012	“	7.5	4.0	“	“	C31123**C*□2NB+000	0.012	“	9.0	“	“	“	C31123**C*□2WB+000
0.015	“	8.0	4.5	“	“	C31153**C*□2NB+000	0.015	“	9.5	5.5	“	“	C31153**C*□2WB+000
0.018	“	“	“	“	“	C31183**C*□2NB+000	0.018	“	10.0	6.5	“	“	C31183**C*□2WB+000
0.022	“	8.5	5.0	“	“	C31223**C*□2NB+000	0.022	“	7.0	3.5	“	“	C31223**C*□2WB+000
0.027	“	9.0	5.5	“	“	C31273**C*□2NB+000	0.027	“	7.5	4.0	“	“	C31273**C*□2WB+000
0.033	“	8.5	4.0	“	“	C31333**C*□2NB+000	0.033	“	8.0	4.2	“	“	C31333**C*□2WB+000
0.039	“	8.5	4.5	“	“	C31393**C*□2NB+000	0.039	“	“	4.5	“	“	C31393**C*□2WB+000
0.047	“	9.0	4.5	“	“	C31473**C*□2NB+000	0.047	“	7.0	3.5	“	“	C31473**C*□2WB+000
0.056	“	7.5	4.0	“	“	C31563**C*□2NB+000	0.056	“	7.5	4.0	“	“	C31563**C*□2WB+000
0.068	“	8.0	4.5	“	“	C31683**C*□2NB+000	0.068	“	7.8	“	“	“	C31683**C*□2WB+000
0.082	“	8.5	“	“	“	C31823**C*□2NB+000	0.082	“	8.0	4.5	“	“	C31823**C*□2WB+000
0.10	“	“	5.0	“	“	C31104**C*□2NB+000	0.10	“	8.5	5.0	“	“	C31104**C*□2WB+000
0.12	“	9.0	5.5	“	“	C31124**C*□2NB+000	0.12	“	9.0	5.5	“	“	C31124**C*□2WB+000
0.15	16.5	7.5	4.0	15.0	0.8	C31154**E*□2NC+000	0.15	“	9.5	6.0	“	“	C31154**C*□2WB+000
0.18	“	8.5	5.0	“	“	C31184**E*□2NC+000	0.18	“	10.0	6.5	“	“	C31184**C*□2WB+000
0.22	“	9.0	5.2	“	“	C31224**E*□2NC+000	0.22	16.5	9.5	5.0	15.0	0.8	C31224**E*□2WC+000
0.27	“	9.5	6.0	“	“	C31274**E*□2NC+000	0.27	“	10.0	5.5	“	“	C31274**E*□2WC+000
0.33	“	8.0	4.5	“	“	C31334**E*□2NC+000	0.33	“	10.5	6.0	“	“	C31334**E*□2WC+000
0.39	“	8.5	5.0	“	“	C31394**E*□2NC+000	0.39	“	11.0	6.5	“	“	C31394**E*□2WC+000
0.47	“	9.0	5.5	“	“	C31474**E*□2NC+000	0.47	“	11.5	7.2	“	“	C31474**E*□2WC+000
0.56	“	9.5	5.8	“	“	C31564**E*□2NC+000	0.56	21.5	12.5	5.5	20.0	“	C31564**F*□2WC+000
0.68	“	10.0	6.5	“	“	C31684**E*□2NC+000	0.68	“	13.0	6.2	“	“	C31684**F*□2WC+000
0.82	“	10.5	7.0	“	“	C31824**E*□2NC+000	0.82	“	13.7	7.0	“	“	C31824**F*□2WC+000
1.0	“	11.5	7.5	“	“	C31105**E*□2NC+000	1.0	“	14.5	7.7	“	“	C31105**F*□2WC+000
1.2	“	12.0	8.5	“	“	C31125**E*□2NC+000	1.2	“	15.0	8.5	“	“	C31125**F*□2WC+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

250VDC/160VAC							400VDC/450VDC/200VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
1.5	21.5	13.5	6.5	20.0	0.8	C31155**F*□2NC+000	1.5	21.5	16.5	9.5	20	0.8	C31155**F*□2WC+000
1.8	“	14.0	7.5	“	“	C31185**F*□2NC+000	1.8	“	17.5	10.5	“	“	C31185**F*□2WC+000
2.2	23.5	14.5	8.0	22.5	“	C31225**G*□2NC+000	2.2	“	18.8	12.0	“	“	C31225**G*□2WC+000
2.7	“	15.5	8.7	“	“	C31275**G*□2NC+000	2.7	23.5	19.5	12.5	22.5	“	C31275**G*□2WC+000
3.3	“	16.5	10.0	“	“	C31335**G*□2NC+000	3.3	“	21.0	14.0	“	“	C31335**G*□2WC+000
3.9	“	19.5	9.5	“	“	C31395**G*□2NC+000	3.9	28.5	20.0	13.5	27.5	“	C31395**H*□2WC+000
4.7	28.5	19.0	9.0	27.5	“	C31475**H*□2NC+000	4.7	“	21.5	15.0	“	“	C31475**H*□2WC+000
5.6	“	20.0	10.0	“	“	C31565**H*□2NC+000							
6.8	“	21.0	11.5	“	“	C31685**H*□2NC+000							
8.2	“	22.5	12.5	“	“	C31825**H*□2NC+000							
10.0	“	24.0	14.2	“	1.0	C31106**H*□2NG+000							
630VDC/220VAC							630VDC/220VAC						
0.0010	11.5	7.0	3.5	10.0	0.6	C31102**C*□25B+000	0.082	16.5	9.0	4.5	15.0	0.8	C31823**E*□25C+000
0.0012	“	“	“	“	“	C31122**C*□25B+000	0.10	“	9.3	4.8	“	“	C31104**E*□25C+000
0.0015	“	7.0	3.5	“	“	C31152**C*□25B+000	0.12	“	9.7	5.3	“	“	C31124**E*□25C+000
0.0018	“	7.5	3.7	“	“	C31182**C*□25B+000	0.15	“	10.3	5.8	“	“	C31154**E*□25C+000
0.0022	“	“	4.0	“	“	C31222**C*□25B+000	0.18	“	10.8	6.5	“	“	C31184**E*□25C+000
0.0027	“	8.0	4.3	“	“	C31272**C*□25B+000	0.22	“	11.5	7.0	“	“	C31224**E*□25C+000
0.0033	“	“	4.5	“	“	C31332**C*□25B+000	0.27	“	12.2	7.8	“	“	C31274**E*□25C+000
0.0039	“	8.5	5.0	“	“	C31392**C*□25B+000	0.33	“	13.0	8.5	“	“	C31334**E*□25C+000
0.0047	“	7.0	3.5	“	“	C31472**C*□25B+000	0.39	21.5	13.5	6.8	20.0	“	C31394**F*□25C+000
0.0056	“	7.5	4.0	“	“	C31562**C*□25B+000	0.47	“	14.3	7.5	“	“	C31474**F*□25C+000
0.0068	“	“	4.2	“	“	C31682**C*□25B+000	0.56	“	15.0	8.3	“	“	C31564**F*□25C+000
0.0082	“	8.0	4.5	“	“	C31822**C*□25B+000	0.68	“	16.0	9.0	“	“	C31684**F*□25C+000
0.010	“	8.5	5.0	“	“	C31103**C*□25B+000	0.82	“	17.0	10.0	“	“	C31824**F*□25C+000
0.012	“	9.0	“	“	“	C31123**C*□25B+000	1.0	23.5	19.5	9.5	22.5	“	C31105**G*□25C+000
0.015	“	9.5	5.5	“	“	C31153**C*□25B+000	1.2	28.5	19.0	9.0	27.5	“	C31125**H*□25C+000
0.018	“	10.0	6.5	“	“	C31183**C*□25B+000	1.5	“	20.2	10.5	“	“	C31155**H*□25C+000
0.022	“	7.0	3.5	“	“	C31223**C*□25B+000	1.8	“	21.5	11.5	“	“	C31185**H*□25C+000
0.027	“	7.5	4.0	“	“	C31273**C*□25B+000	2.2	“	22.8	13.0	“	“	C31225**H*□25C+000
0.033	“	8.0	4.2	“	“	C31333**C*□25B+000							
0.039	“	“	4.5	“	“	C31393**C*□25B+000							
0.047	“	8.5	5.0	“	“	C31473**C*□25B+000							
0.056	“	9.0	5.3	“	“	C31563**C*□25B+000							
0.068	“	9.5	5.8	“	“	C31683**C*□25B+000							

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