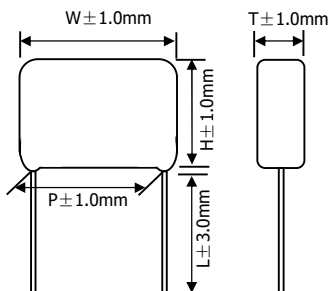


C21 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频损耗小
- 内部温升小
- 优异的阻燃、防潮性能

■ Features

- High frequency and low dissipation factor
- Low temperature rise inside
- Excellent flame retardant and moisture proof

■ 主要用途

- 广泛用于高频、直流、交流和脉冲电路电源整流后滤波回路

■ Typical application

- Widely used in high frequency DC, AC and pulse circuit, Filtering circuit after rectified.

■ 技术参数 Technical Specifications

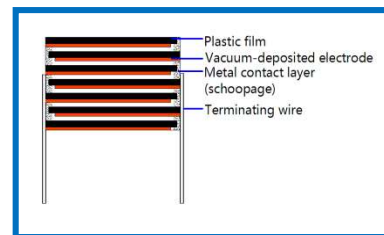
| 项目 Items | 性能要求 Characteristics | | |
|---------------------------------------|---|--|---------------------|
| 引用标准 Reference Standard | GB/T 10190 (IEC60384-16) | | |
| 气候类别 Climatic Category | 40/105/21 | | |
| 额定温度 Rate Temperature | 85℃ | | |
| 工作温度范围 Operating Temperature Range | -40~105℃ (+85℃to +105℃:decreasing factor 1.25% per °C for V _R (DC)) | | |
| 额定电压 Rated Voltage | 250V、400V、450V、630V、1000V | | |
| 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 | 1.6*U _R (5S) | | |
| 损耗角正切 Dissipation Factor | ≤10×10 ⁻⁴ (20℃;1kHz) | | |
| 绝缘电阻 Insulation Resistance | U _R >100V | CR ≤ 0.33 μF ≥15000 MΩ CR > 0.33 μF ≥5000 S | 20℃, 100VDC,1min |

■ 产品结构

- 介 质：聚丙烯薄膜
- 电容器电极：真空蒸镀电极
- 内部结构：

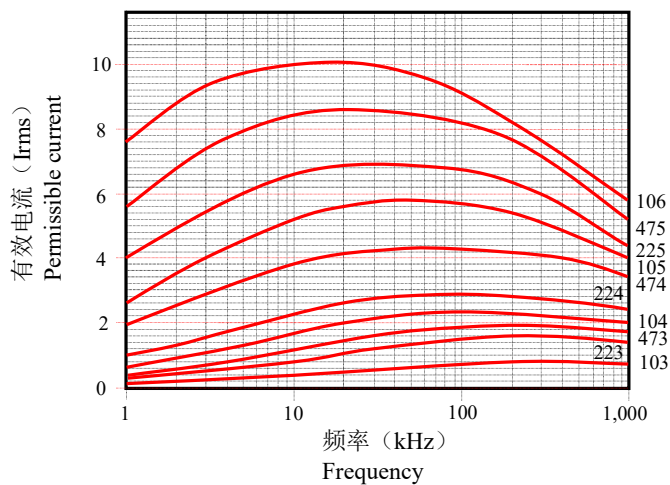
■ Construction

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

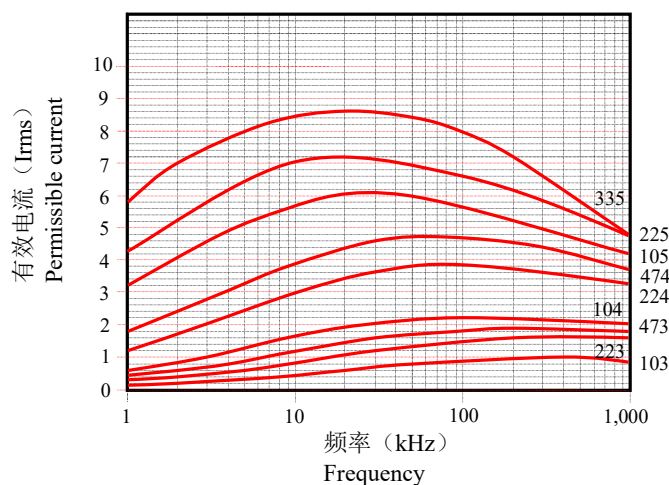


■ 相对于频率的允许电流 Permissible current for frequency

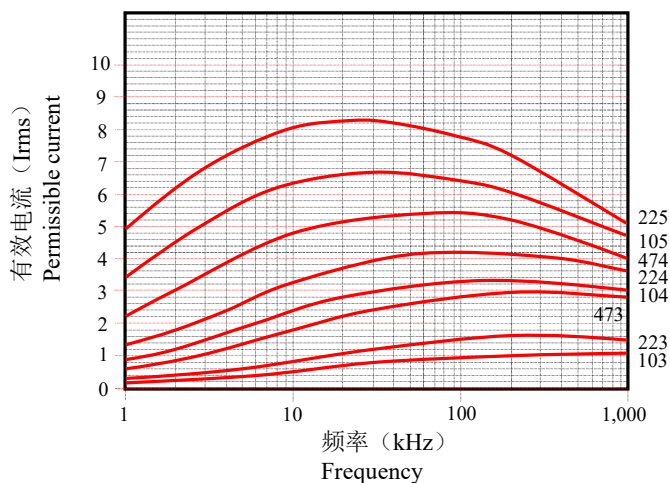
C21 250V



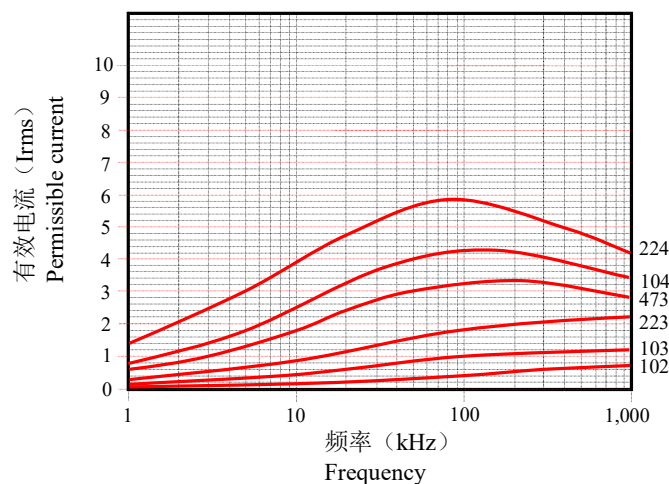
C21 400V



C21 630V



C21 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 | |
| 0.010 | 11.5 | 8.0 | 4.5 | 10.0 | 0.6 | C21103**C*□2NB+000 | 0.010 | 11.5 | 8.0 | 4.5 | 10.0 | 0.6 | C21103**C*□2WB+000 |
| 0.012 | “ | 9.0 | 5.0 | “ | “ | C21123**C*□2NB+000 | 0.012 | “ | 9.0 | 5.0 | “ | “ | C21123**C*□2WB+000 |
| 0.015 | “ | 9.5 | 5.0 | “ | “ | C21153**C*□2NB+000 | 0.015 | “ | 9.5 | 5.0 | “ | “ | C21153**C*□2WB+000 |
| 0.018 | “ | “ | 5.5 | “ | “ | C21183**C*□2NB+000 | 0.018 | “ | “ | 5.5 | “ | “ | C21183**C*□2WB+000 |
| 0.022 | “ | 8.0 | 4.0 | “ | “ | C21223**C*□2NB+000 | 0.022 | “ | 8.0 | 4.0 | “ | “ | C21223**C*□2WB+000 |
| 0.027 | “ | 8.5 | 4.5 | “ | “ | C21273**C*□2NB+000 | 0.027 | “ | 8.5 | 4.5 | “ | “ | C21273**C*□2WB+000 |
| 0.033 | “ | 9.0 | 5.0 | “ | “ | C21333**C*□2NB+000 | 0.033 | “ | 9.0 | 5.0 | “ | “ | C21333**C*□2WB+000 |
| 0.039 | “ | “ | “ | “ | “ | C21393**C*□2NB+000 | 0.039 | “ | “ | “ | “ | “ | C21393**C*□2WB+000 |
| 0.047 | “ | 9.5 | 5.5 | “ | “ | C21473**C*□2NB+000 | 0.047 | “ | 9.5 | 5.5 | “ | “ | C21473**C*□2WB+000 |
| 0.056 | “ | 8.5 | 4.5 | “ | “ | C21563**C*□2NB+000 | 0.056 | “ | 8.5 | 4.5 | “ | “ | C21563**C*□2WB+000 |
| 0.068 | “ | 9.0 | 5.0 | “ | “ | C21683**C*□2NB+000 | 0.068 | “ | 9.0 | 5.0 | “ | “ | C21683**C*□2WB+000 |
| 0.082 | “ | 9.5 | 5.5 | “ | “ | C21823**C*□2NB+000 | 0.082 | “ | 9.5 | 5.5 | “ | “ | C21823**C*□2WB+000 |
| 0.10 | “ | 10.0 | 6.0 | “ | “ | C21104**C*□2NB+000 | 0.10 | “ | 10.0 | 6.0 | “ | “ | C21104**C*□2WB+000 |
| 0.12 | “ | 10.5 | 6.5 | “ | “ | C21124**C*□2NB+000 | 0.12 | “ | 10.5 | 6.5 | “ | “ | C21124**C*□2WB+000 |
| 0.15 | “ | 8.0 | 4.0 | “ | “ | C21154**C*□2NB+000 | 0.15 | 16.5 | 7.5 | 4.5 | 15 | 0.8 | C21154**E*□2WC+000 |
| 0.18 | “ | 8.5 | 4.5 | “ | “ | C21184**C*□2NB+000 | 0.18 | “ | 8.0 | 5.0 | “ | “ | C21184**E*□2WC+000 |
| 0.22 | “ | 9.0 | 5.0 | “ | “ | C21224**C*□2NB+000 | 0.22 | “ | 8.5 | 5.5 | “ | “ | C21224**E*□2WC+000 |
| 0.27 | “ | 9.5 | 5.5 | “ | “ | C21274**C*□2NB+000 | 0.27 | “ | 9.5 | 6.0 | “ | “ | C21274**E*□2WC+000 |
| 0.33 | “ | 10.0 | 6.0 | “ | “ | C21334**C*□2NB+000 | 0.33 | “ | 10.0 | 6.5 | “ | “ | C21334**E*□2WC+000 |
| 0.39 | “ | 10.5 | 6.5 | “ | “ | C21394**C*□2NB+000 | 0.39 | “ | 11.5 | 7.0 | “ | “ | C21394**E*□2WC+000 |
| 0.47 | 16.5 | 10.0 | 5.0 | 15.0 | 0.8 | C21474**E*□2NC+000 | 0.47 | “ | 13.5 | 7.0 | “ | “ | C21474**E*□2WC+000 |
| 0.56 | “ | 10.5 | 5.5 | “ | “ | C21564**E*□2NC+000 | 0.56 | 21.5 | 12.5 | 6.0 | 20 | “ | C21564**E*□2WC+000 |
| 0.68 | “ | 11.0 | 6.0 | “ | “ | C21684**E*□2NC+000 | 0.68 | “ | 13.5 | 6.5 | “ | “ | C21684**E*□2WC+000 |
| 0.82 | “ | 11.5 | 7.0 | “ | “ | C21824**E*□2NC+000 | 0.82 | “ | 14.0 | 7.5 | “ | “ | C21824**E*□2WC+000 |
| 1.0 | “ | 14.0 | 7.0 | “ | “ | C21105**E*□2NC+000 | 1.0 | “ | 15.0 | 8.5 | “ | “ | C21105**E*□2WC+000 |
| 1.2 | “ | 15.0 | 8.0 | “ | “ | C21125**E*□2NC+000 | 1.2 | “ | 17.0 | 8.5 | “ | “ | C21125**E*□2WC+000 |
| 1.5 | 21.5 | 15.0 | 6.5 | 20.0 | “ | C21155**E*□2NC+000 | 1.5 | “ | 18.0 | 10.0 | “ | “ | C21155**E*□2WC+000 |
| 1.8 | “ | 16.0 | 7.5 | “ | “ | C21185**E*□2NC+000 | 1.8 | 23.5 | 18.5 | 9.5 | 22.5 | “ | C21185**G*□2WC+000 |
| 2.2 | “ | 17.0 | 8.5 | “ | “ | C21225**E*□2NC+000 | 2.2 | 28.5 | 19.0 | 9.5 | 27.5 | “ | C21225**H*□2WC+000 |
| 2.7 | “ | 18.0 | 9.5 | “ | “ | C21275**E*□2NC+000 | 2.7 | “ | 20.5 | 10.5 | “ | “ | C21275**H*□2WC+000 |
| 3.3 | 23.5 | 18.5 | 10.0 | 22.5 | “ | C21335**G*□2NC+000 | 3.3 | “ | 21.5 | 12.0 | “ | “ | C21335**H*□2WC+000 |
| 3.9 | “ | 19.5 | 11.0 | “ | “ | C21395**G*□2NC+000 | | | | | | | |
| 4.7 | 28.5 | 19.0 | 11.0 | 27.5 | “ | C21475**H*□2NC+000 | | | | | | | |
| 5.6 | “ | 20.0 | 12.0 | “ | “ | C21565**H*□2NC+000 | | | | | | | |
| 6.8 | “ | 22.5 | 12.5 | “ | “ | C21685**H*□2NC+000 | | | | | | | |
| 8.2 | “ | 24.5 | 14.5 | “ | “ | C21825**H*□2NC+000 | | | | | | | |
| 10.0 | “ | 26.0 | 16.0 | “ | 1.0 | C21106**H*□2NG+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

| 630VDC/250VAC | | | | | | | 1000VDC/400VAC | | | | | | |
|------------------------|----------------------|------|------|------|-----|--------------------|------------------------|----------------------|------|-----|------|-----|--------------------|
| 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 | |
| 0.010 | 11.5 | 8.0 | 4.5 | 10.0 | 0.6 | C21103**C*□25B+000 | 0.0010 | 9.5 | 7.0 | 4.0 | 7.5 | 0.6 | C21102**B*□3AB+000 |
| 0.012 | “ | 9.0 | 5.0 | “ | “ | C21123**C*□25B+000 | 0.0012 | “ | “ | “ | “ | “ | C21122**B*□3AB+000 |
| 0.015 | “ | 9.5 | 5.0 | “ | “ | C21153**C*□25B+000 | 0.0015 | “ | “ | “ | “ | “ | C21152**B*□3AB+000 |
| 0.018 | “ | “ | 5.5 | “ | “ | C21183**C*□25B+000 | 0.0018 | “ | “ | “ | “ | “ | C21182**B*□3AB+000 |
| 0.022 | “ | 8.0 | 4.0 | “ | “ | C21223**C*□25B+000 | 0.0022 | “ | “ | “ | “ | “ | C21222**B*□3AB+000 |
| 0.027 | “ | 9.0 | 4.5 | “ | “ | C21273**C*□25B+000 | 0.0027 | “ | “ | “ | “ | “ | C21272**B*□3AB+000 |
| 0.033 | “ | 6.5 | 4.0 | “ | “ | C21333**C*□25B+000 | 0.0033 | “ | “ | “ | “ | “ | C21332**B*□3AB+000 |
| 0.039 | “ | 8.0 | “ | “ | “ | C21393**C*□25B+000 | 0.0039 | “ | 7.5 | “ | “ | “ | C21392**B*□3AB+000 |
| 0.047 | “ | “ | 4.5 | “ | “ | C21473**C*□25B+000 | 0.0047 | “ | “ | “ | “ | “ | C21472**B*□3AB+000 |
| 0.056 | “ | 9.0 | “ | “ | “ | C21563**C*□25B+000 | 0.0056 | 11.5 | 7.5 | 4.0 | 10.0 | “ | C21562**C*□3AB+000 |
| 0.068 | “ | 9.5 | 5.0 | “ | “ | C21683**C*□25B+000 | 0.0068 | “ | “ | “ | “ | “ | C21682**C*□3AB+000 |
| 0.082 | “ | 10.0 | 5.5 | “ | “ | C21823**C*□25B+000 | 0.0082 | “ | 8.5 | “ | “ | “ | C21822**C*□3AB+000 |
| 0.10 | 16.5 | 8.5 | 4.5 | 15.0 | 0.8 | C21104**E*□25C+000 | 0.010 | “ | 9.0 | 4.5 | “ | “ | C21103**C*□3AB+000 |
| 0.12 | “ | 9.0 | “ | “ | “ | C21124**E*□25C+000 | 0.012 | “ | 9.5 | “ | “ | “ | C21123**C*□3AB+000 |
| 0.15 | “ | 9.5 | 5.5 | “ | “ | C21154**E*□25C+000 | 0.015 | “ | “ | “ | “ | “ | C21153**C*□3AB+000 |
| 0.18 | “ | 10.0 | 6.0 | “ | “ | C21184**E*□25C+000 | 0.018 | “ | 10.0 | 5.5 | “ | “ | C21183**C*□3AB+000 |
| 0.22 | “ | 10.5 | 6.5 | “ | “ | C21224**E*□25C+000 | 0.022 | “ | 8.5 | 4.0 | “ | “ | C21223**C*□3AB+000 |
| 0.27 | “ | 11.5 | 7.0 | “ | “ | C21274**E*□25C+000 | 0.027 | “ | 9.0 | 4.5 | “ | “ | C21273**C*□3AB+000 |
| 0.33 | “ | 13.5 | “ | “ | “ | C21334**E*□25C+000 | 0.033 | “ | 9.5 | 5.0 | “ | “ | C21333**C*□3AB+000 |
| 0.39 | “ | 14.5 | 7.5 | “ | “ | C21394**E*□25C+000 | 0.039 | “ | “ | 5.5 | “ | “ | C21393**C*□3AB+000 |
| 0.47 | “ | 15.0 | 8.5 | “ | “ | C21474**E*□25C+000 | 0.047 | “ | 9.0 | 4.5 | “ | “ | C21473**C*□3AB+000 |
| 0.56 | 21.5 | 14.0 | 7.5 | 20.0 | “ | C21564**E*□25C+000 | 0.056 | “ | “ | 4.8 | “ | “ | C21563**C*□3AB+000 |
| 0.68 | “ | 15.0 | 8.5 | “ | “ | C21684**E*□25C+000 | 0.068 | “ | 9.5 | 5.0 | “ | “ | C21683**C*□3AB+000 |
| 0.82 | “ | 16.0 | 9.5 | “ | “ | C21824**E*□25C+000 | 0.082 | 16.5 | 10.0 | 5.5 | 15.0 | 0.8 | C21823**E*□3AC+000 |
| 1.0 | “ | 18.0 | 9.5 | “ | “ | C21105**E*□25C+000 | 0.10 | “ | 11.0 | 6.0 | “ | “ | C21104**E*□3AC+000 |
| 1.2 | 23.5 | 17.5 | 11.0 | 22.5 | “ | C21125**G*□25C+000 | 0.12 | “ | 11.5 | 6.5 | “ | “ | C21124**E*□3AC+000 |
| 1.5 | “ | 19.0 | 12.5 | “ | “ | C21155**G*□25C+000 | 0.15 | “ | 12.5 | 7.5 | “ | “ | C21154**E*□3AC+000 |
| 1.8 | 28.5 | 20.5 | 11.0 | 27.5 | “ | C21185**H*□25C+000 | 0.18 | 23.5 | “ | 5.5 | 22.5 | “ | C21184**G*□3AC+000 |
| 2.2 | “ | 22.0 | 12.0 | “ | “ | C21225**H*□25C+000 | 0.22 | “ | 13.0 | 6.0 | “ | “ | C21224**G*□3AC+000 |
| 2.7 | “ | 23.5 | 13.5 | “ | “ | C21275**H*□25C+000 | | | | | | | |
| 3.3 | “ | 25.0 | 15.5 | “ | “ | C21335**H*□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.