

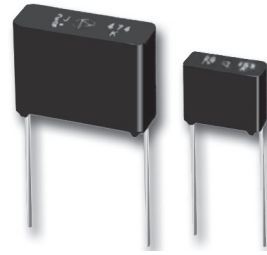
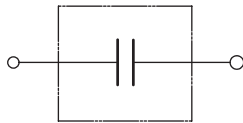
特性

- 高频、高电流耐量
- 采用树脂外壳，安装时具有优异的稳定性

用途

- IGBT、IPM等半导体设备的保护（缓冲电路）
- 开关电源、变频器/伺服设备等

● 电路图



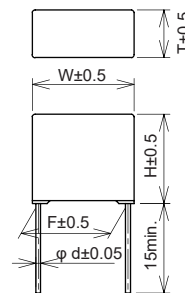
形状: a



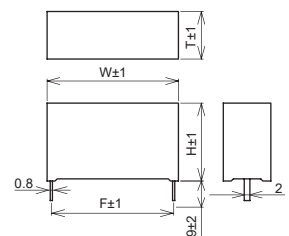
形状: b

● 外形尺寸

形状: a



形状: b



单位: mm

● 型号配置

|           |          |          |          |                                 |          |          |          |          |          |
|-----------|----------|----------|----------|---------------------------------|----------|----------|----------|----------|----------|
| <b>C</b>  | <b>7</b> | <b>N</b> | <b>P</b> | <b>2</b>                        | <b>E</b> | <b>1</b> | <b>0</b> | <b>4</b> | <b>K</b> |
| 系列名称      |          |          | 额定电压     |                                 | 公称静电容量   |          | 静电容量容差   |          |          |
| <b>2E</b> |          | 250Vdc   |          | 容量 (pF) 以前2位表示, 第3位数字表示后续的0的数量。 |          | <b>J</b> |          | ±5%      |          |
| <b>2G</b> |          | 400Vdc   |          |                                 |          | <b>K</b> |          | ±10%     |          |
| <b>2J</b> |          | 630Vdc   |          |                                 |          |          |          |          |          |
| <b>3B</b> |          | 1,250Vdc |          |                                 |          |          |          |          |          |
| <b>3C</b> |          | 1,600Vdc |          |                                 |          |          |          |          |          |

| 额定电压           | 型号         | 静电容量<br>μF | 外形尺寸 (mm) |      |      |      |     | 介电损耗<br>角正切 | 测试电压<br>(线对线)          | 绝缘电阻<br>(线对线)            |   |
|----------------|------------|------------|-----------|------|------|------|-----|-------------|------------------------|--------------------------|---|
|                |            |            | W         | H    | T    | F    | φd  |             |                        |                          |   |
| 2E<br>(250Vdc) | C7NP2E104□ | 0.1        | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a           | 0.001max.<br>(at 1kHz) | 额定电压×1.75Vdc<br>(2~5sec) | C≤0.33μF<br>50,000MΩmin.<br>(at 20°C, 100Vdc)<br>C>0.33μF<br>20,000Ω•Fmin.<br>(at 20°C, 100Vdc) |
|                | C7NP2E154□ | 0.15       | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a           |                        |                          |   |
|                | C7NP2E224□ | 0.22       | 17.0      | 15.0 | 8.0  | 15.0 | 0.8 | a           |                        |                          |   |
|                | C7NP2E334□ | 0.33       | 25.0      | 16.0 | 6.5  | 22.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2E474□ | 0.47       | 25.0      | 17.5 | 8.0  | 22.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2E684□ | 0.68       | 25.0      | 19.5 | 10.0 | 22.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2E105□ | 1.0        | 30.0      | 22.0 | 11.0 | 27.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2E155□ | 1.5        | 30.0      | 24.5 | 13.5 | 27.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2E225□ | 2.2        | 30.5      | 28.0 | 16.0 | 27.5 | 1.0 | a           |                        |                          |   |
|                | C7NP2E335□ | 3.3        | 41.0      | 28.0 | 15.5 | 37.5 | 1.0 | a           |                        |                          |   |
|                | C7NP2E475□ | 4.7        | 41.0      | 28.0 | 15.5 | 37.5 | 1.0 | a           |                        |                          |   |
|                | C7NP2E685□ | 6.8        | 41.0      | 32.5 | 17.5 | 37.5 | 1.0 | a           |                        |                          |   |
|                | C7NP2E106□ | 10         | 59.5      | 35.0 | 21.5 | 55.0 | —   | b           |                        |                          |   |
|                | C7NP2E156□ | 15         | 59.5      | 43.5 | 30.5 | 55.0 | —   | b           |                        |                          |   |
| C7NP2E226□     | 22         | 59.5       | 43.5      | 30.5 | 55.0 | —    | b   |             |                        |                          |   |
| 2G<br>(400Vdc) | C7NP2G473□ | 0.047      | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a           | 0.001max.<br>(at 1kHz) | 额定电压×1.75Vdc<br>(2~5sec) | C≤0.33μF<br>50,000MΩmin.<br>(at 20°C, 100Vdc)<br>C>0.33μF<br>20,000Ω•Fmin.<br>(at 20°C, 100Vdc) |
|                | C7NP2G683□ | 0.068      | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a           |                        |                          |   |
|                | C7NP2G104□ | 0.1        | 17.0      | 15.0 | 8.0  | 15.0 | 0.8 | a           |                        |                          |   |
|                | C7NP2G154□ | 0.15       | 25.0      | 16.0 | 6.5  | 22.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2G224□ | 0.22       | 25.0      | 17.5 | 8.0  | 22.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2G334□ | 0.33       | 25.0      | 19.5 | 10.0 | 22.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2G474□ | 0.47       | 30.0      | 22.0 | 11.0 | 27.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2G684□ | 0.68       | 30.0      | 24.5 | 13.5 | 27.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2G105□ | 1.0        | 30.0      | 24.5 | 13.5 | 27.5 | 0.8 | a           |                        |                          |   |
|                | C7NP2G155□ | 1.5        | 41.0      | 28.0 | 15.5 | 37.5 | 1.0 | a           |                        |                          |   |
|                | C7NP2G225□ | 2.2        | 41.0      | 28.0 | 17.5 | 37.5 | 1.0 | a           |                        |                          |   |
|                | C7NP2G335□ | 3.3        | 49.5      | 33.0 | 20.5 | 45.0 | —   | b           |                        |                          |   |
|                | C7NP2G475□ | 4.7        | 59.5      | 35.5 | 21.5 | 55.0 | —   | b           |                        |                          |   |
|                | C7NP2G685□ | 6.8        | 59.5      | 43.5 | 30.5 | 55.0 | —   | b           |                        |                          |   |
| C7NP2G106□     | 10         | 59.5       | 43.5      | 30.5 | 55.0 | —    | b   |             |                        |                          |   |

□: 静电容量容差 J(±5%)、K(±10%)

使用温度范围: -40~+85°C



| 额定电压            | 型号         | 静电容量<br>μF | 外形尺寸 (mm) |      |      |      |     |    | 介电损耗<br>角正切            | 测试电压<br>(线对线)            | 绝缘电阻<br>(线对线)   |
|-----------------|------------|------------|-----------|------|------|------|-----|----|------------------------|--------------------------|---|
|                 |            |            | W         | H    | T    | F    | φd  | 形状 |                        |                          |   |
| 2J<br>(630Vdc)  | C7NP2J103□ | 0.01       | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a  | 0.001max.<br>(at 1kHz) | 额定电压×1.75Vdc<br>(2~5sec) | C≤0.33μF<br>50,000MΩmin.<br>(at 20°C, 100Vdc)<br>C>0.33μF<br>20,000Ω•Fmin.<br>(at 20°C, 100Vdc) |
|                 | C7NP2J153□ | 0.015      | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J223□ | 0.022      | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J333□ | 0.033      | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J473□ | 0.047      | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J683□ | 0.068      | 17.0      | 15.0 | 8.0  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J104□ | 0.1        | 25.0      | 16.0 | 6.5  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J154□ | 0.15       | 25.0      | 17.5 | 8.0  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J224□ | 0.22       | 25.0      | 19.5 | 10.0 | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J334□ | 0.33       | 30.0      | 22.0 | 11.0 | 27.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J474□ | 0.47       | 30.0      | 22.0 | 11.0 | 27.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J684□ | 0.68       | 30.0      | 24.5 | 13.5 | 27.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP2J105□ | 1.0        | 30.5      | 28.0 | 16.0 | 27.5 | 1.0 | a  |                        |                          |   |
|                 | C7NP2J155□ | 1.5        | 41.0      | 28.0 | 15.5 | 37.5 | 1.0 | a  |                        |                          |   |
|                 | C7NP2J225□ | 2.2        | 49.5      | 33.0 | 20.5 | 45.0 | —   | b  |                        |                          |   |
| C7NP2J335□      | 3.3        | 59.5       | 35.5      | 21.5 | 55.0 | —    | b   |    |                        |                          |   |
| C7NP2J475□      | 4.7        | 59.5       | 43.5      | 30.5 | 55.0 | —    | b   |    |                        |                          |   |
| C7NP2J685□      | 6.8        | 59.5       | 43.5      | 30.5 | 55.0 | —    | b   |    |                        |                          |   |
| 3B<br>(1250Vdc) | C7NP3B472□ | 0.0047     | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B682□ | 0.0068     | 17.0      | 15.0 | 8.0  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B103□ | 0.01       | 25.0      | 16.0 | 6.5  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B153□ | 0.015      | 25.0      | 16.0 | 6.5  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B223□ | 0.022      | 25.0      | 17.5 | 8.0  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B333□ | 0.033      | 25.0      | 19.5 | 10.0 | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B473□ | 0.047      | 25.0      | 19.5 | 10.0 | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B683□ | 0.068      | 30.0      | 22.0 | 11.0 | 27.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B104□ | 0.1        | 30.0      | 24.5 | 13.5 | 27.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3B154□ | 0.15       | 30.5      | 28.0 | 16.0 | 27.5 | 1.0 | a  |                        |                          |   |
|                 | C7NP3B224□ | 0.22       | 41.0      | 28.0 | 15.5 | 37.5 | 1.0 | a  |                        |                          |   |
|                 | C7NP3B334□ | 0.33       | 41.0      | 28.0 | 15.5 | 37.5 | 1.0 | a  |                        |                          |   |
|                 | C7NP3B474□ | 0.47       | 41.0      | 32.5 | 17.5 | 37.5 | 1.0 | a  |                        |                          |   |
|                 | C7NP3B684□ | 0.68       | 59.5      | 35.5 | 21.5 | 55.0 | —   | b  |                        |                          |   |
|                 | C7NP3B105□ | 1.0        | 59.5      | 43.5 | 30.5 | 55.0 | —   | b  |                        |                          |   |
| 3C<br>(1600Vdc) | C7NP3C102□ | 0.001      | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C152□ | 0.0015     | 17.0      | 13.5 | 6.5  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C222□ | 0.0022     | 17.0      | 15.0 | 8.0  | 15.0 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C332□ | 0.0033     | 25.0      | 16.0 | 6.5  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C472□ | 0.0047     | 25.0      | 16.0 | 6.5  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C682□ | 0.0068     | 25.0      | 17.5 | 8.0  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C103□ | 0.01       | 25.0      | 17.5 | 8.0  | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C153□ | 0.015      | 25.0      | 19.5 | 10.0 | 22.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C223□ | 0.022      | 30.0      | 22.5 | 11.0 | 27.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C333□ | 0.033      | 30.0      | 24.5 | 13.5 | 27.5 | 0.8 | a  |                        |                          |   |
|                 | C7NP3C473□ | 0.047      | 30.0      | 24.5 | 13.5 | 27.5 | 0.8 | a  |                        |                          |   |

□: 静电容量容差 J(±5%)、K(±10%)

使用温度范围: -40~+85°C

●容许电流特性

※下记仅登载各定格电压的代表性电容值产品的容许电流特性。没有登载的静电容量产品的容许电流特性请咨询厂家。

