



# THE DATASHEET OF NFM18CC221R1C3D



## ● Part Numbering

### 3 Terminal Low ESL Monolithic Ceramic Capacitors

(Part Number) 

|    |   |    |    |     |   |    |   |   |
|----|---|----|----|-----|---|----|---|---|
| NF | M | 3D | CC | 102 | R | 1H | 3 | L |
| 1  | 2 | 3  | 4  | 5   | 6 | 7  | 8 | 9 |

#### ① Product ID ② Series

| Product ID | Series                  |
|------------|-------------------------|
| <b>NFM</b> | 3 Terminal Low ESL Type |

#### ③ Dimensions (LxW)

| Code      | Dimensions (LxW) | EIA   |
|-----------|------------------|-------|
| <b>15</b> | 1.0x0.5mm        | 0402  |
| <b>JM</b> | 1.2x0.9mm        | 05035 |
| <b>18</b> | 1.6x0.8mm        | 0603  |
| <b>21</b> | 2.0x1.25mm       | 0805  |
| <b>3D</b> | 3.2x1.25mm       | 1205  |
| <b>31</b> | 3.2x1.6mm        | 1206  |
| <b>41</b> | 4.5x1.6mm        | 1806  |

#### ④ Features

| Code      | Features                         |  |
|-----------|----------------------------------|--|
| <b>CC</b> | For General                      | For Signal Lines                           |
| <b>PC</b> |                                  | For Large Current                          |
| <b>PS</b> |                                  | High Insertion Loss Type for Large Current |
| <b>KC</b> |                                  | For Very Large Current                     |
| <b>HC</b> | Powertrain/Safety for Automotive | For Signal Lines / For Large Current       |
| <b>HK</b> |                                  | For Very Large Current                     |

#### ⑤ Capacitance

Expressed by three figures. The unit is in pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

#### ⑥ Characteristics

| Code     | Capacitance Temperature Characteristics |
|----------|---|
| <b>B</b> | ±10%, ±12.5%, +10/-13%                  |
| <b>C</b> | ±22%                                    |
| <b>D</b> | +22/-33%                                |
| <b>R</b> | ±15%, +15/-18%                          |

#### ⑦ Rated Voltage

| Code      | Rated Voltage |
|-----------|---------------|
| <b>0E</b> | 2.5V          |
| <b>0G</b> | 4V            |
| <b>0J</b> | 6.3V          |
| <b>1A</b> | 10V           |
| <b>1C</b> | 16V           |
| <b>1E</b> | 25V           |
| <b>1H</b> | 50V           |
| <b>2A</b> | 100V          |

#### ⑧ Electrode

| Code     | Electrode  |
|----------|------------|
| <b>3</b> | Sn Plating |

#### ⑨ Packaging

| Code     | Packaging                     |
|----------|-------------------------------|
| <b>B</b> | Bulk                          |
| <b>L</b> | Embossed Taping (ø180mm Reel) |
| <b>D</b> | Paper Taping (ø180mm Reel)    |

## Looking for pricing, stock, or lifecycle information?

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