# NF□ Chip EMIFIL® Part Numbering

## Capacitor

(Part Number)

| NF | M | 3D | CC | 102 | R | 1H | 3 | L |
|---|---|---|---|---|---|---|---|---|
| ❶ | ❷ | ❸ | ❹ | ❺ | ❻ | ❼ | ❽ | ❾ |

❶Product ID

| Product ID | |
|---|---|
| **NF** | Chip EMIFIL® |

❷Structure

| Code | Structure |
|---|---|
| **M** | Capacitor Type |
| **A** | Capacitor Array Type |

❸Dimensions (L×W)

| Code | Dimensions (L×W) | EIA |
|---|---|---|
| **15** | 1.0×0.5mm | 0402 |
| **18** | 1.6×0.8mm | 0603 |
| **21** | 2.0×1.25mm | 0805 |
| **3D** | 3.2×1.25mm | 1205 |
| **31** | 3.2×1.6mm | 1206 |
| **41** | 4.5×1.6mm | 1806 |
| **55** | 5.7×5.0mm | 2220 |

❹Features

| Code | Features |
|---|---|
| **CC** | Capacitor Type for Signal Lines |
| **PC** | Capacitor Type for Large Current |
| **PS** | High Insertion Loss Type for Large Current |
| **KC** | Capacitor Type for Very Large Current |

❺Capacitance

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.

❻Characteristics

| Code | Capacitance Change (Temperature Characteristics) |
|---|---|
| **B** | ±10%, ±12.5%, +10/-13% |
| **C** | ±22% |
| **D** | +22/-33% |
| **F** | +30/-80%, +30/-84% |
| **R** | ±15%, +15/-18% |
| **U** | -750 ±120ppm/°C |
| **S** | +350 to -1000ppm/°C |

❼Rated Voltage

| Code | Rated Voltage |
|---|---|
| **0J** | 6.3V |
| **1A** | 10V |
| **1C** | 16V |
| **1E** | 25V |
| **1H** | 50V |
| **2A** | 100V |

❽Electrode/Others (**NFM** Series)

| Code | Electrode | Series |
|---|---|---|
| **3** | Sn Plating | **NFM** (Except for **NFM55**) |
| **4** | Solder Coating | **NFM55** |

❽Number of Circuits (**NFA□□CC** Series)

| Code | Number of Circuits |
|---|---|
| **4** | 4 Circuits |

❾Packaging

| Code | Packaging | Series |
|---|---|---|
| **L** | Embossed Taping (ø180mm Reel) | **NFM3D/NFM31/NFM41/NFM55** |
| **B** | Bulk | All series |
| **D** | Paper Taping (ø180mm Reel) | **NFM15/NFM18/NFM21/NFA□□CC** |