



**THE DATASHEET OF  
NFM31KC103R2A3L**



## ● 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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