

## NFM3DP/NFM41P/NFM55P Series

### <NFM3DP Series>

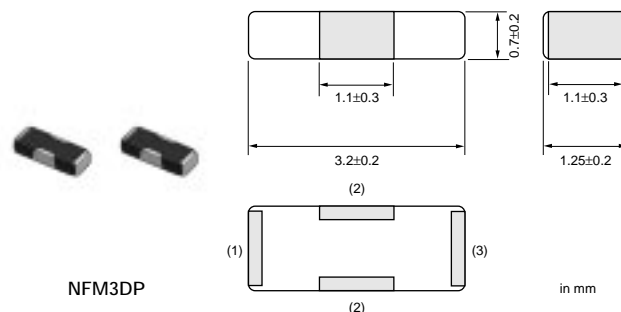
The chip solid "EMIFIL" NFM3DP is a chip type 3 terminal capacitor with high rated current of 2A. This series is suited for noise suppression in DC power supply lines of digital instruments.

#### ■ Features

1. Large rated current (2A) and low voltage drop due to a small DC resistance (0.05ohm) are suitable for the application in DC power line.
2. High electrostatic capacitance and remarkable high frequency performance are effective for the immunity against the surge noise and the pulse noise.

#### ■ Applications

- Personal computers, Word processors and Peripherals
- Telephones, PPCs, Communication equipments, etc.
- Digital TVs, VCRs
- Telecommunication equipment



### <NFM41P Series>

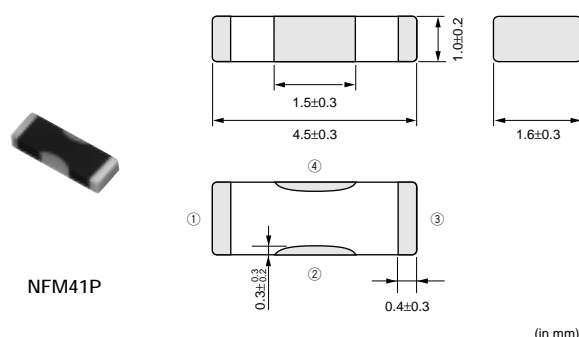
Chip solid "EMIFIL" NFM41P are 3 terminal structure SMT components. These components are able to be applied to large current DC power lines. NFM41P are suitable in noise suppression DC lines where relatively large currents operate. Using base metal to the electrode.

#### ■ Features

1. Large rated current (2A) and low voltage drop due to a small DC resistance (0.04ohm) are suitable for the application in DC power line.
2. High electrostatic capacitance and remarkable high frequency performance are effective for the immunity against the surge noise and the pulse noise.

#### ■ Applications

- Personal computers, Word processors and Peripherals
- Telephones, PPCs, Communication equipments, etc.
- Digital TVs, VCRs
- Telecommunication equipment



### <NFM55P Series>

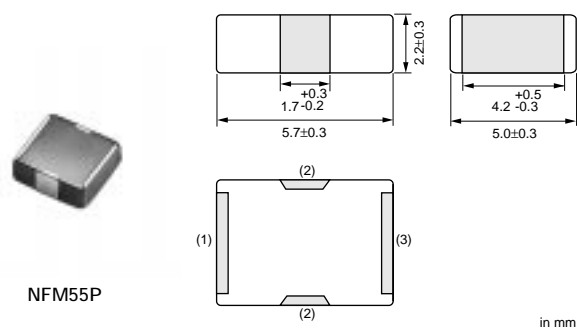
The chip solid "EMIFIL" NFM55P is a chip type 3 terminal capacitor with high rated current of 6A. This series is suited for noise suppression in DC power lines where high rated current and large capacitance is required.

### ■ Features

1. Large rated current (6A) and low voltage drop due to a small DC resistance (0.01ohm) are suitable for the application in DC power line.
2. High electrostatic capacitance and remarkable high frequency performance are effective for the immunity against the surge noise and the pulse noise.
3. Only reflow soldering should be applied.

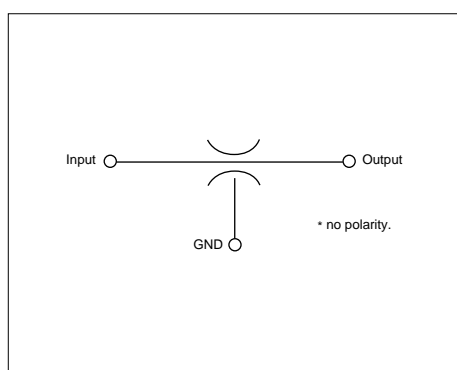
### ■ Applications

- Personal computers, Word processors and Peripherals
- Telephones, PPCs, Communication equipments, etc.
- Digital TVs, VCRs
- Telecommunication equipment

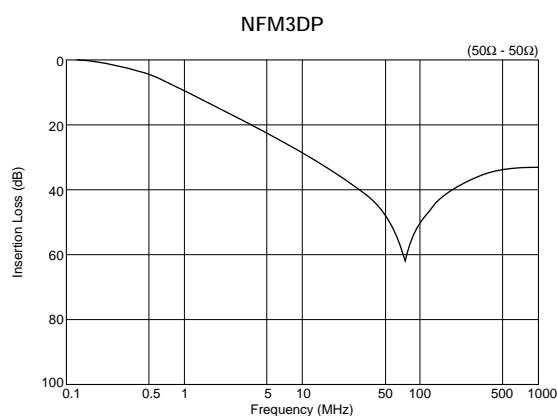


Part Number	Capacitance (μF)	Rated Voltage (Vdc)	Rated Current (A)	Insulation Resistance (M ohm)	Operating Temperature Range (°C)
NFM3DPC223R1H2	0.022 +20%, -20%	50	2	1000 min.	-55 to 85
NFM41PC204F1H3	0.2 +80%, -20%	50	2	1000 min.	-55 to 85
NFM55PC155F1H4	1.5 +80%, -20%	50	6	100 min.	-55 to 85


### ■ Equivalent Circuit



### ■ Insertion Loss Characteristics



Continued on the following page.

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■ Insertion Loss Characteristics

