

CHIP EMIFIL®

EMIFIL® is the trademark of Murata Manufacturing Co., Ltd.



Chip Solid EMIFIL® NFM2012P/40P/41P/46P

Large Rated Current 3 Terminal Capacitor in DC Power Line

Chip solid EMIFIL® NFM2012P/40P/NFM41P/NFM46P are 3 terminal structure SMT components. These components are able to be applied to large current DC power lines. NFM2012P/40P/41P/46P are suitable in noise suppression DC lines where relatively large currents operate.

FEATURES

●NFM2012P

1. The rated current of 2A is suitable for IC's individual power line.
2. Small dimension enables higher density packaging. NFM2012P is much smaller size. (2.0X1.25X0.85mm)
3. Murata's original internal electrode structure design which realizes excellent EMI suppression effect from low frequency to high frequency.

●NFM40P/41P/46P

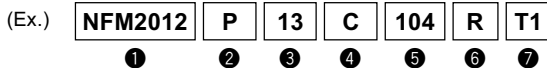
1. Large rated current (NFM40P/41P : 2A, NFM46P : 6A) and low voltage drop due to a small DC resistance are suitable for the application in DC power line.
2. High electrostatic capacitance and remarkable high frequency performance are effective for the immunity against the surge noise and the pulse noise.
3. Only reflow soldering should be applied.(NFM46P)

APPLICATIONS

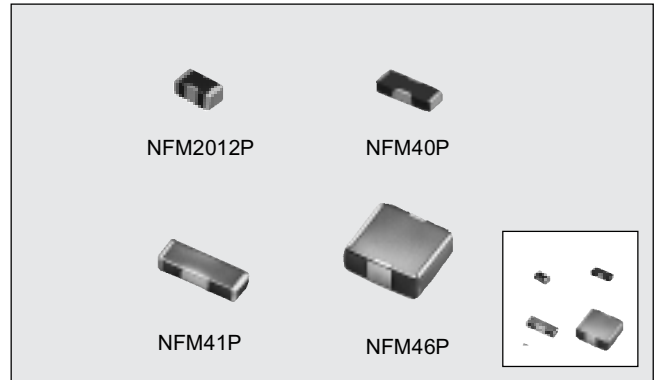
- Personal computers, Word processors and Peripherals
- Telephones, PPCs, Communication equipments, etc.
- Digital TVs, VCRs
- Telecommunication equipment

PART NUMBERING

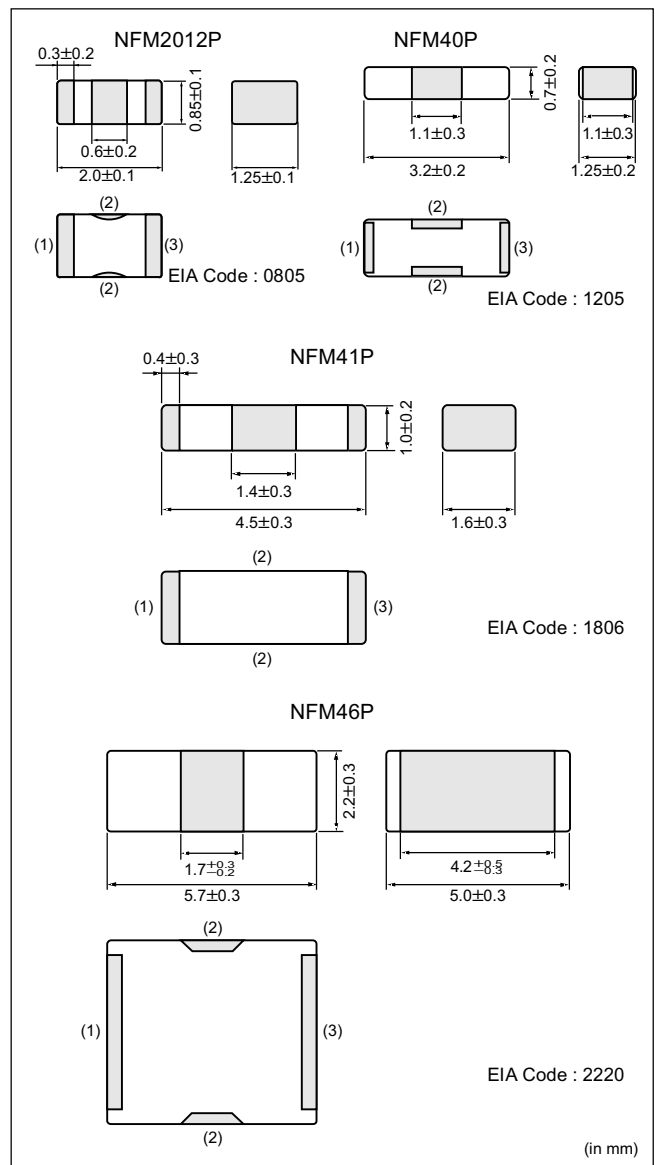
(Please specify the part number when ordering.)



- ① Type
- ② Large current
- ③ Class No.
- ④ Circuit composition
- ⑤ Capacitance
- ⑥ Temperature characteristics (NFM2012P)
- ⑦ Packaging Code T1 : Taped
 B1 : Bulk package



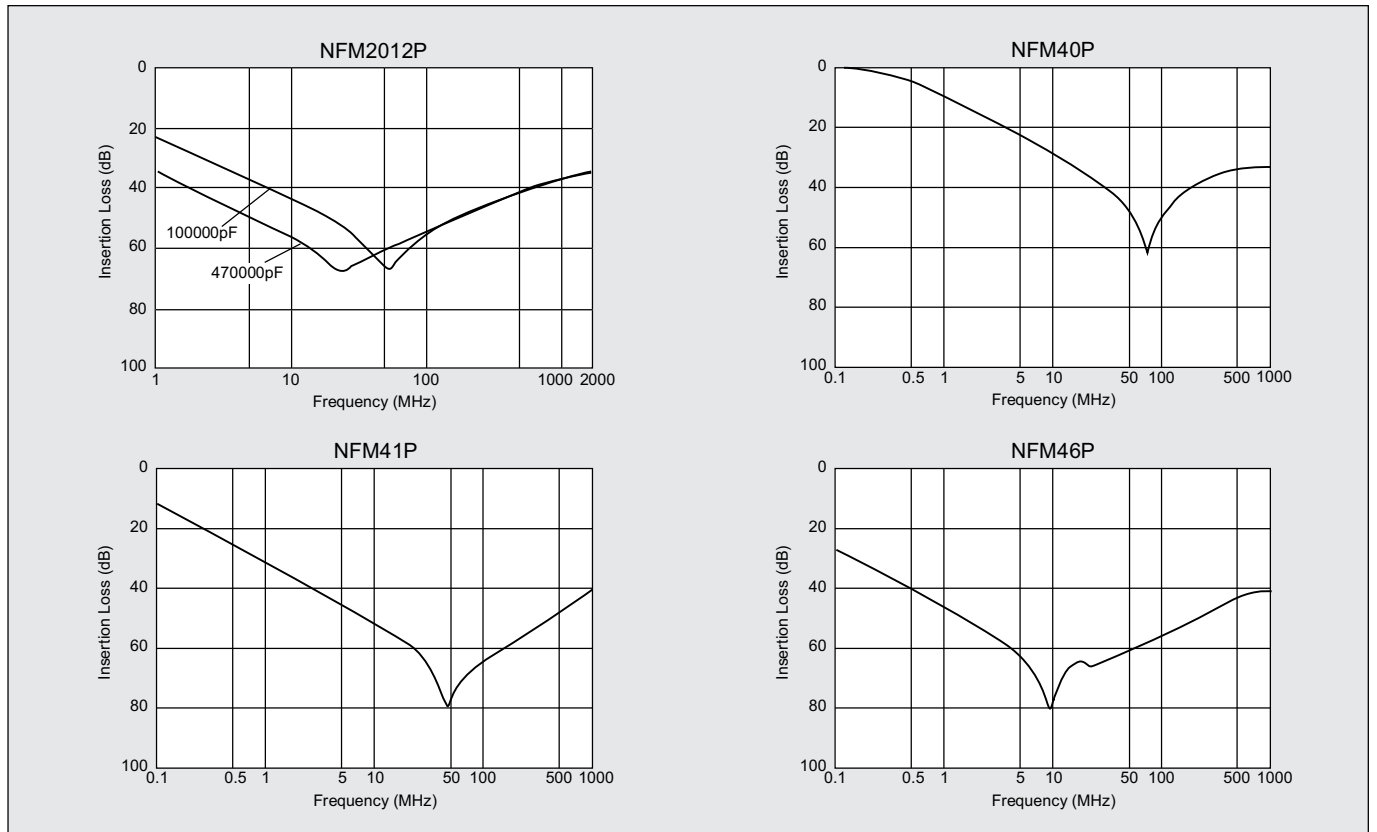
DIMENSIONS



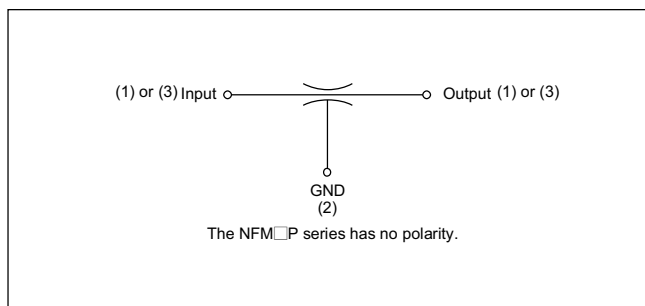
■SPECIFICATIONS

Part Number	Capacitance	Rated Voltage (Vdc)	Rated Current (Adc)	Insulation Resistance (MΩ min.)	DC Resistance (1) - (3) (Ω max.)	Operating Temp. Range (°C)
NFM2012P13C104R	100000pF±20%	16	2	1000	0.03	-55 to +125
NFM2012P13C474F	470000pF±20%					-40 to +85
NFM40P12C223	22000pF±20%	50	6	100	0.01	-55 to +85
NFM41P11C204	200000pF±20% (0.2μF)					
NFM46P11C155	1.5μF±20%					

■INSERTION LOSS CHARACTERISTIC (TYPICAL)



■EQUIVALENT CIRCUIT DIAGRAM



■INSERTION LOSS MEASURING CIRCUIT

