

# On-Board Type (DC) EMI Suppression Filters (EMIFIL®)



## Chip EMIFIL® Capacitor Type NFM18C/21C/3DC/41C Series

### NFM18C Series

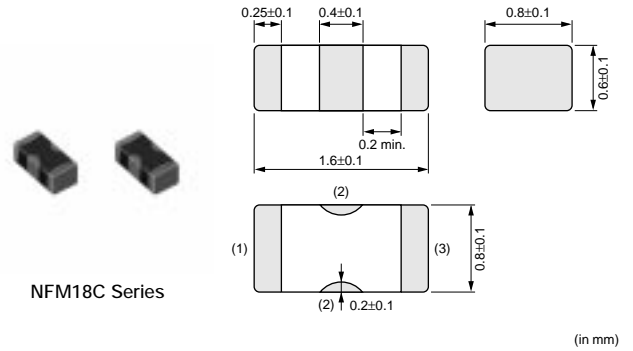
NFM18C series is a 1.6x0.8mm EMI suppression filter for signal lines which have a three terminal structure using Murata's multilayer technology.

#### ■ Features

1. Ultra small size in 1.6x0.8x0.6mm enables high density mounting.
  2. Three terminal structure with low residual inductance (ESL)\* characteristics achieves large insertion loss characteristics even in high frequency area.
  3. NFM18C series covers capacitance range from 22 to 22,000pF.
- \* Not exceeding one-tenth of monolithic ceramic capacitors (two terminals).

#### ■ Applications

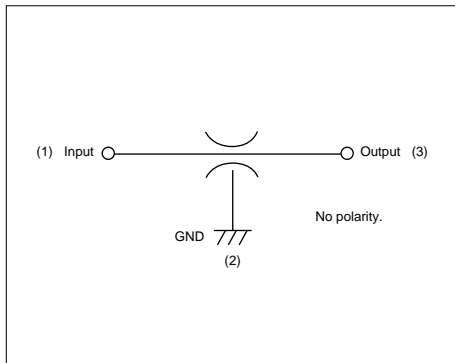
1. EMI suppression of circuit for insertion loss in quantity
2. Noise suppression up to GHz



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Part Number	Capacitance (pF)	Rated Voltage (Vdc)	Rated Current (mA)	Insulation Resistance (min.) (M ohm)	Operating Temperature Range (°C)
NFM18CC220U1C3	22 +20%, -20%	16	400	1000	-55 to +125
NFM18CC470U1C3	47 +20%, -20%	16	400	1000	-55 to +125
NFM18CC101R1C3	100 +20%, -20%	16	500	1000	-55 to +125
NFM18CC221R1C3	220 +20%, -20%	16	500	1000	-55 to +125
NFM18CC471R1C3	470 +20%, -20%	16	500	1000	-55 to +125
NFM18CC102R1C3	1000 +20%, -20%	16	600	1000	-55 to +125
NFM18CC222R1C3	2200 +20%, -20%	16	700	1000	-55 to +125
NFM18CC223R1C3	22000 +20%, -20%	16	1000	1000	-55 to +125

#### ■ Equivalent Circuit



#### ■ Insertion Loss Characteristics

