

## NFM39/40/41R Series

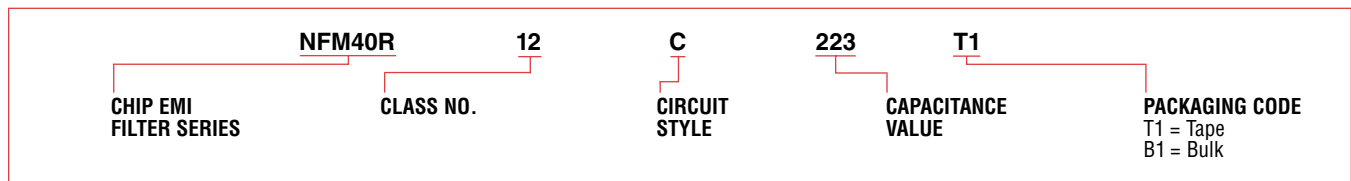


The NFM39/40/41R Series is a miniature chip type EMI Suppression filter based on feed-thru design. It is well suited for EMI suppression in digital circuit boards or in I/O lines of digital equipment where high density mounting is used.

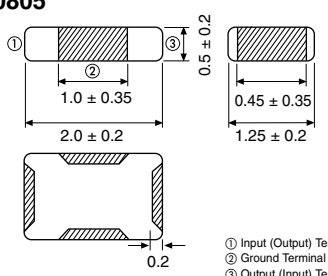
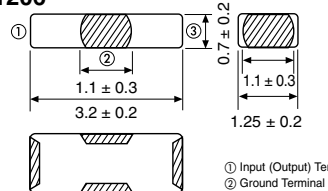
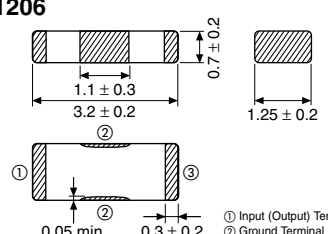
### FEATURES

- Miniature size—2.0mm x 1.25mm x 0.5mm
- Nickel barrier for solder heat resistance
- Wide frequency range of operation – to several hundred MHz
- Tape and reel for auto-placement

### PART NUMBERING SYSTEM



### SPECIFICATIONS

Dimensions: mm	Part Number	Capacitance	Rated Voltage	Rated Current (mA)	Insulation Resistance (Ohms min.)	DCR (Ohms max.)	Operating Temp. Range	Previous Part Number
<b>0805</b>  <p>① Input (Output) Terminal ② Ground Terminal ③ Output (Input) Terminal</p>	*NFM39R02C220	22pF ± 20%	50VDC	300	1000M	0.6	-55°C ~ +125°C	—
	*NFM39R02C470	47pF ± 20%						
	*NFM39R02C101	100pF ± 20%						
	*NFM39R12C221	220pF ± 20%						
	*NFM39R12C471	470pF ± 20%						
	*NFM39R12C102	1000pF ± 20%						
	*NFM39R12C222	2200pF ± 20%						
*NFM39R12C223	22000pF ± 20%							
<b>1206</b>  <p>① Input (Output) Terminal ② Ground Terminal ③ Output (Input) Terminal</p>	*NFM40R02C220	22pF ± 50/20%	25VDC	300	1000M	0.6	-55°C ~ +125°C	—
	*NFM40R02C470	47pF ± 50/20%						
	*NFM40R02C101	100pF ± 50/20%						
<b>1206</b>  <p>① Input (Output) Terminal ② Ground Terminal ③ Output (Input) Terminal</p>	NFM3212R13C221R	220pF ± 50/20%	50VDC	300	1000M	0.30	-55°C ~ +125°C	NFM40R12C221
	NFM3212R13C471R	470pF ± 50/20%						NFM40R12C471
	NFM3212R13C102R	1000pF ± 50/20%						NFM40R12C102
	NFM3212R13C222R	2200pF ± 50/20%						NFM40R12C222
	NFM3212R13C223R	22000pF ± 50/20%						NFM40R12C223

\*Available as standard through authorized Murata Electronics Distributors.

### SPECIFICATIONS

Dimensions: mm	Part Number	Capacitance	Rated Voltage	Rated Current (mA)	Insulation Resistance (Ohms min.)	DCR (Ohms max.)	Operating Temp. Range	Previous Part Number
<b>1806</b> 	*NFM41R02C220	22pF ± 50%	100VDC	300	10000M	0.3	-55°C ~ +125°C	—
	*NFM41R02C470	47pF ± 50%						
	*NFM41R02C101	100pF ± 50%						
	*NFM41R02C221	220pF ± 50%						
<b>1806</b> 	NFM4516R13C471R	470pF ± 50%	100VDC	300	10000M	0.3	-55°C ~ +125°C	NFM41R12C471
	NFM4516R13C102R	1000pF ± 50%						NFM41R12C102
	NFM4516R13C222R	2200pF ± 50%						NFM41R12C222
	NFM4516R13C223R	22000pF ± 50%						NFM41R12C223

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### TYPICAL INSERTION LOSS CHARACTERISTICS

