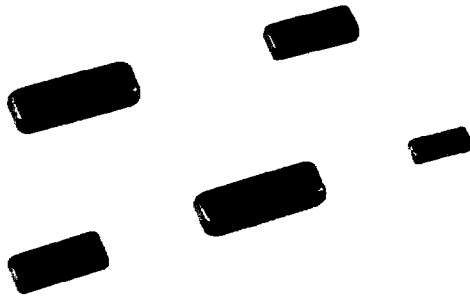


NFM39/40/41R Series

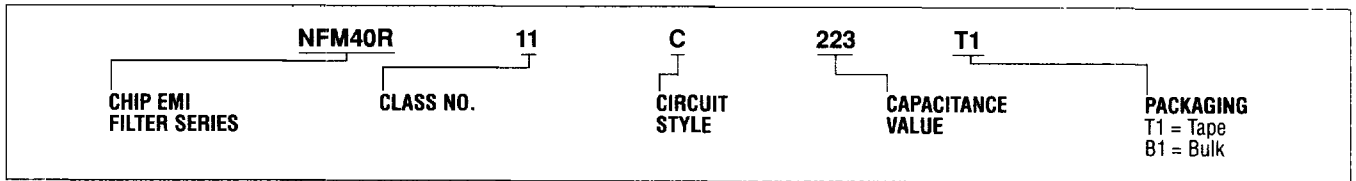
The NFM39/40/41R Series is a miniature chip type EMI Suppression filter based on feed-thru design. It is well suited for EMI suppression in digital circuit boards or in I/O lines of digital equipment where high density mounting is used.

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



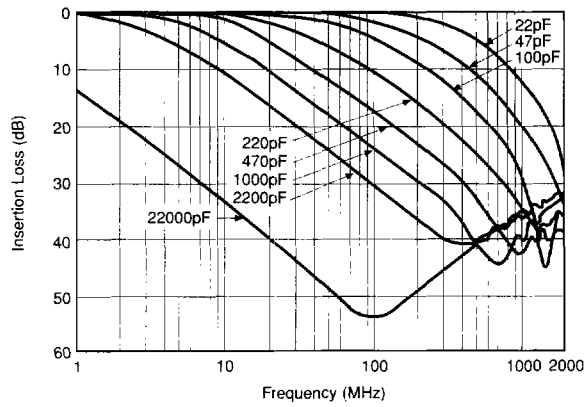
SPECIFICATIONS

Dimensions: mm	Part Number	Capacitance	Rated Voltage	Rated Current (mA)	Insulation Resistance	DCR (Ohms max.)	Operating Temperature Range
0805 ① Input (Output) Terminal ② Ground Terminal ③ Output (Input) Terminal	★NFM39R02C220	22pF ± 20%	50VDC	300	1000MΩmin.	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%					
1206 ① Input (Output) Terminal ② Ground Terminal ③ Output (Input) Terminal	★NFM40R01C220	22pF ± $\frac{50}{20}$ %	25VDC	300	1000MΩmin.	0.6	-55°C ~ +125°C
	★NFM40R01C470	47pF ± $\frac{50}{20}$ %					
	★NFM40R01C101	100pF ± $\frac{50}{20}$ %					
	★NFM40R11C221	220pF ± $\frac{50}{20}$ %					
	★NFM40R11C471	470pF ± $\frac{50}{20}$ %					
	★NFM40R11C102	1000pF ± $\frac{50}{20}$ %					
	★NFM40R11C222	2200pF ± $\frac{50}{20}$ %					
	★NFM40R11C223	22000pF ± $\frac{80}{20}$ %					
1806 ① Input (Output) Terminal ② Ground Terminal ③ Output (Input) Terminal	★NFM41R01C220	22pF ± $\frac{50}{20}$ %	100VDC	300	10000MΩmin.	0.3	-55°C ~ +125°C
	★NFM41R01C470	47pF ± $\frac{50}{20}$ %					
	★NFM41R01C101	100pF ± $\frac{50}{20}$ %					
	★NFM41R01C221	220pF ± $\frac{50}{20}$ %					
	★NFM41R01C471	470pF ± $\frac{50}{20}$ %					
	★NFM41R11C102	1000pF ± $\frac{50}{20}$ %					
	★NFM41R11C222	2200pF ± $\frac{50}{20}$ %					
	★NFM41R11C223	22000pF ± $\frac{50}{20}$ %					

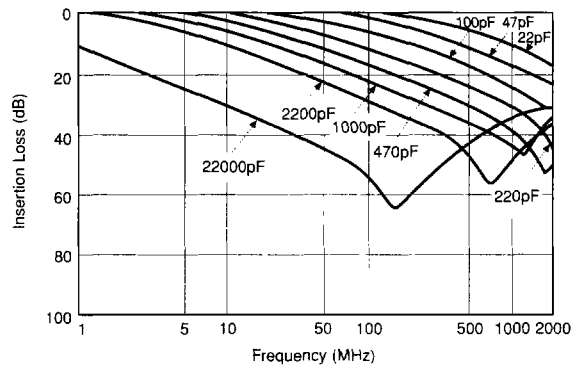
*Available as standard through authorized Murata Electronics Distributors.

TYPICAL INSERTION LOSS CHARACTERISTICS

NFM39 Series



NFM40R Series



NFM41R Series

