chanhvinh.com

EMI FILTERS
SURFACE MOUNT EMI CHIP FILTERS
NFM39/3212/4516R SERIES



The NFM39/3212/4516R 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.

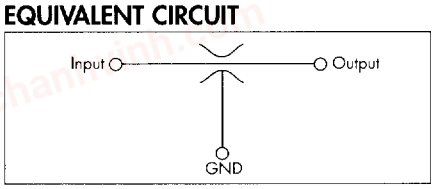
FEATURES

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

APPLICATIONS

- PCs and peripherals
- Telecommunications
- Consumer products, etc.

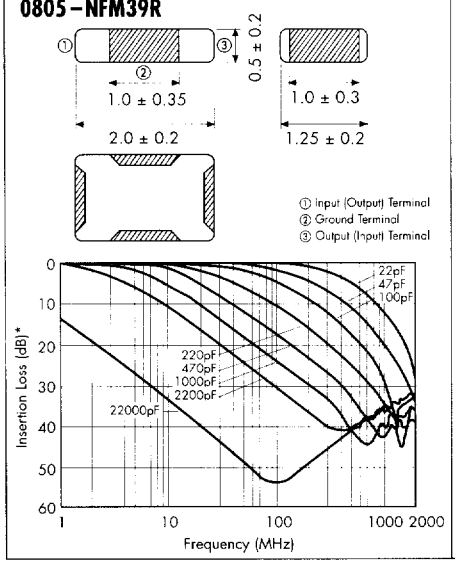
EQUIVALENT CIRCUIT



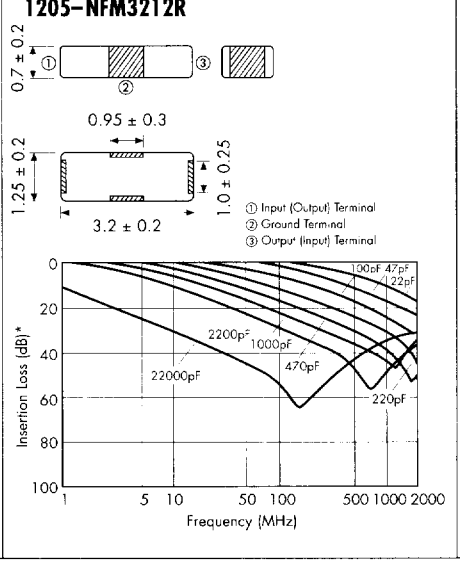
EMI FILTERS

DIMENSIONS: mm

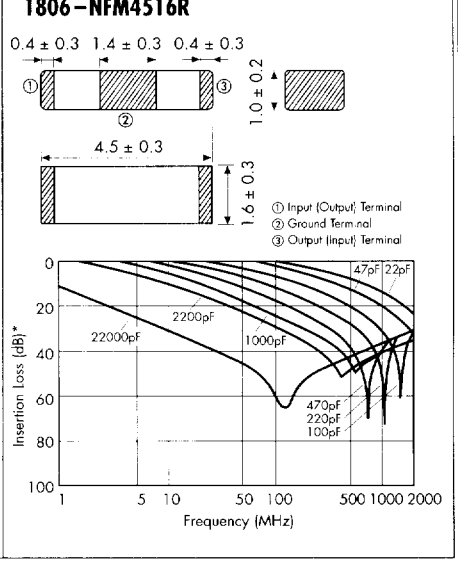
0805 – NFM39R



1205 – NFM3212R



1806 – NFM4516R



*Typical in 50Ω impedance circuits

SPECIFICATIONS

Size	Capacitance	Rated Voltage	Rated Current (mA)	Insulation Resistance	DC Resistance (Ohms max.)	Operating Temperature Range
0805	22pF ± 20% ~ 22000pF ± 20%	50VDC	300	1000MΩ min.	0.6	–55 ~ +125°C
1205	22pF ± 50/20% ~ 22000pF ± 50/20%	50VDC				–55 ~ +125°C
1806	22pF ± 50/20% ~ 220pF ± 50/20% 470pF ± 50/20% ~ 22000pF ± 50/20%	100VDC		10000MΩ min.	0.3	–55 ~ +125°C

PART NUMBERING SYSTEM

NFM39R	11	C	223	T1
CHIP EMI FILTER SERIES	CLASS NO.	CIRCUIT STYLE C: Capacitor	CAPACITANCE VALUE 220: 22pF 221: 220pF 223: 22000pF	PACKAGING T1 = Tape B1 = Bulk

For more detailed information regarding this product line, see Catalog No. C31E-4.