

SURFACE MOUNT EMI FILTERS CHIP FILTERS



NFM51R Series



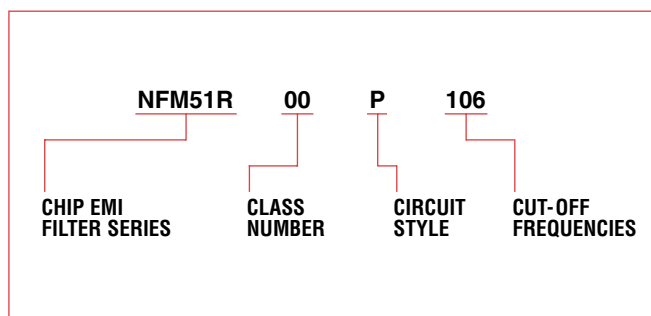
The NFM51R Series chip is an efficient signal line noise suppression filter for high-speed digital signal lines where base-band frequencies and noise band frequencies are very close.

Murata Electronics has combined its superior ceramic technologies with a unique circuit configuration to realize outstanding noise suppression effect in these applications. The NFM51R Series assures noise reduction to meet the specifications of CISPR, FCC, etc.

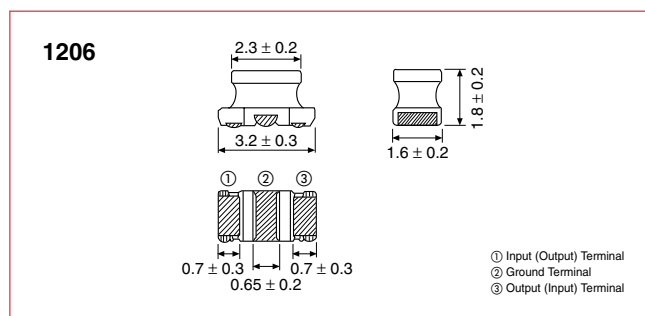
APPLICATIONS

Noise suppression for compact digital instruments, laptop personal computers, HDTV, EDTV, portable VTR, etc.

PART NUMBERING SYSTEM



DIMENSIONS: mm



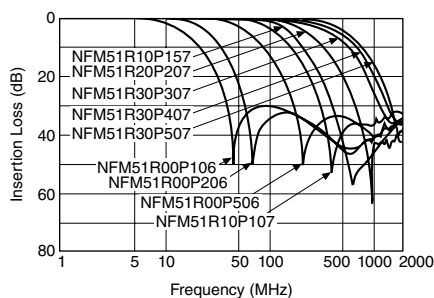
SPECIFICATIONS

Part Number	Cut-off Frequency (MHz)	Attenuation (dB min.)										Rated Voltage (VDC)	Rated Current (mA)	Operating Temperature Range
		10MHz	20MHz	50MHz	100MHz	150MHz	200MHz	300MHz	400MHz	500MHz	1GHz			
NFM51R00P106	10	※	5	25	25	—	25	—	—	30	30	25	200	-40°C ~ +85°C
NFM51R00P206	20	—	※	5	25	—	25	—	—	30	30			
NFM51R00P506	50	—	—	※	10	—	30	—	—	30	30			
NFM51R10P107	100	—	—	—	※	—	5	—	—	20	30			
NEW NFM51R10P157	150	—	—	—	—	※	—	10	20	30	30			
NFM51R20P207	200	—	—	—	—	—	※	—	—	10	30			
NEW NFM51R30P307	300	—	—	—	—	—	—	※	—	5	15			
NEW NFM51R30P407	400	—	—	—	—	—	—	—	※	—	10			
NFM51R30P507	500	—	—	—	—	—	—	—	—	※	10			

※ 6dB max.

TYPICAL INSERTION LOSS CHARACTERISTICS

NFM51R Series



Comparison with Conventional Chip

The steep attenuation characteristics of the NFM51R Series provide excellent EMI suppression without affecting the desired signal.

