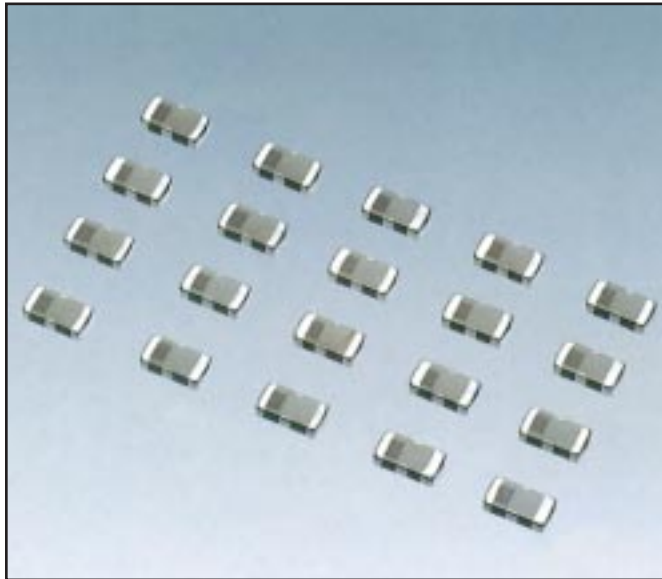


EMI Noise Filter



KNF 21/32 Series / Signal Line Use



HOW TO ORDER

Part Number

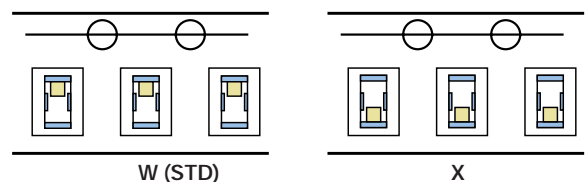
KNF 32 050 -W 3
 ① ② ③ ④ ⑤

① Series

② **Size:** 21=2012 (0805); 32=3216 (1206)

③ **Type (Freq.):** 025 – 25MHz, 050 – 50MHz
 100 – 100MHz, 200 – 200MHz
 400 – 400MHz

④ Taping Direction (W, X)



⑤ Quantity Per Reel: 3 – 3000p (Std.)

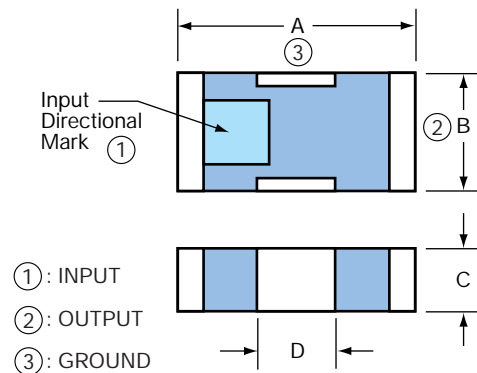
FEATURES

- Distributed constant type LC filter. Prevents ringing caused by circuit impedance. Suitable for high speed digital circuits and visual line circuits.
- Stable noise attenuation over wide frequency ranges.
- Low profile (H = 1.0mm max.) suitable for miniature electronic equipment.
- First class auto-placement.

APPLICATIONS

- PCs, Laser Printers, Clock Data Lines for LCD Display
- High Speed Video Signal Circuits and Interface Circuits
- High Speed Digital Circuits
- Anti-Noise Solution
 Achieves effective noise suppression in noisy high speed circuits without signal waveform distortion.

DIMENSIONS

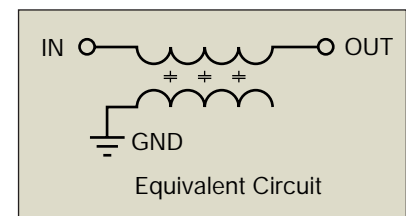


- ①: INPUT
- ②: OUTPUT
- ③: GROUND

	millimeters (inches)	
	KNF 21	KNF 32
A	2.00 (0.079)	3.20 (0.126)
B	1.25 (0.049)	1.60 (0.063)
C	0.80 (0.031)	1.00 (0.039)
D	0.40 (0.016)	0.60 (0.024)

SPECIFICATIONS

Part Number	Cut off Frequency (MHz)	Capacitance (pF)	Attenuation (dB)	Rated Current (A)	Rated Voltage (V)
KNF21050	50	130	20 (350-850) MHz	0.15	25
KNF21100	100	65	20 (450-950) MHz	0.15	25
KNF21200	200	33	20 (700-1200) MHz	0.15	25
KNF21400	400	17	20 (900-1400) MHz	0.15	25
KNF32025	25	235	20 (200-600) MHz	0.20	25
KNF32050	50	130	20 (350-850) MHz	0.20	25
KNF32100	100	65	20 (450-950) MHz	0.20	25
KNF32200	200	33	20 (600-1100) MHz	0.20	25

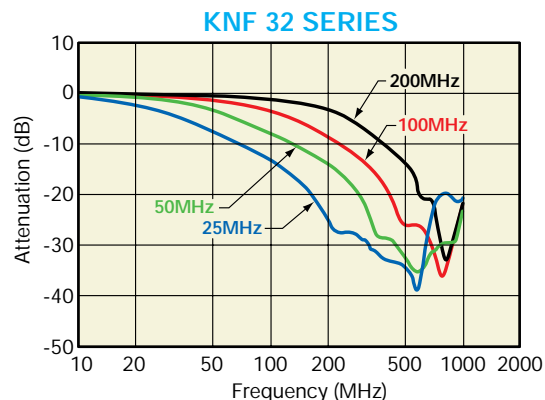
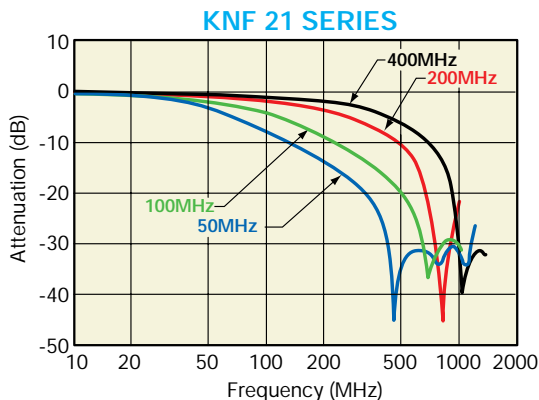


EMI Noise Filter

KNF 21/32 Series / Signal Line Use

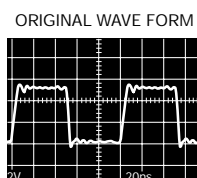
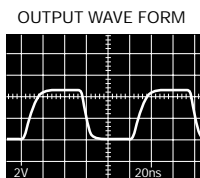
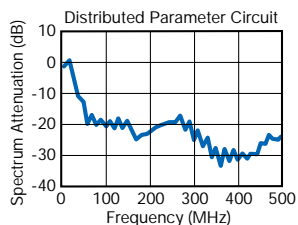


PERFORMANCE CHARACTERISTICS

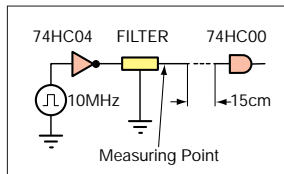
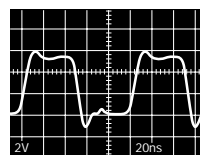
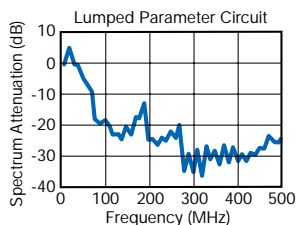


TYPICAL EXAMPLE OF SUPPRESSION

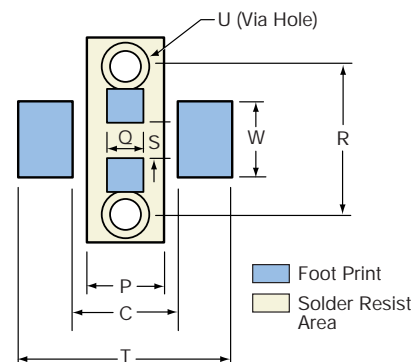
KC KNF32050



LC FILTER



LAND PATTERN



Dimensions: millimeters (inches)

	KNF 21	KNF 32
T	3.20 (0.126)	4.40 (0.173)
W	1.00 (0.039)	1.40 (0.055)
R	2.30 (0.091)	3.00 (0.118)
C	1.20 (0.047)	2.50 (0.098)
P	0.80 (0.031)	1.20 (0.047)
Q	0.40 (0.016)	0.60 (0.024)
S	0.60 (0.024)	0.60 (0.024)
U	0.30 (0.012) - 0.40 (0.016)	0.50 (0.020)

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