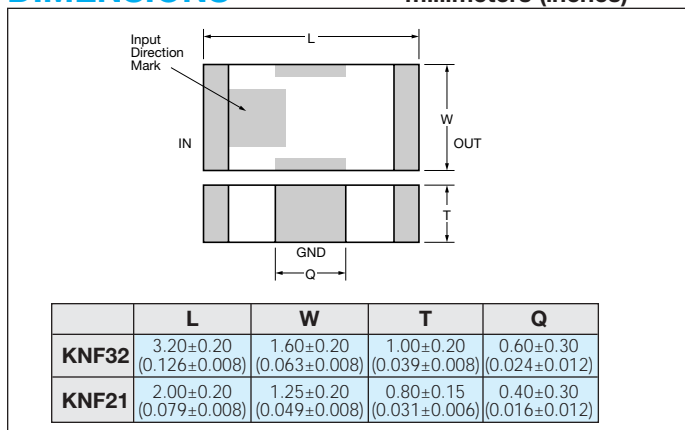


KNF Series



DIMENSIONS

millimeters (inches)



SPECIFICATIONS

Part Number	Cut Off Frequency (MHz)	Capacitance (+50/-20%) (pF)	20dB Attenuation (Typical)	Rated Current (mA)	Rated Voltage (VDC)
KNF32025	25MHz	235pF	200 - 600 MHz	200mA	25VDC
KNF32050	50MHz	130pF	350 - 850 MHz		
KNF32100	100MHz	65pF	450 - 950 MHz		
KNF32200	200MHz	33pF	700 - 1200 MHz		
KNF21025	25MHz	235pF	200 - 600 MHz	150mA	
KNF21050	50MHz	130pF	350 - 850 MHz		
KNF21100	100MHz	65pF	450 - 950 MHz		
KNF21200	200MHz	33pF	700 - 1200 MHz		
KNF21400	400MHz	17pF	900 - 1400 MHz		

Cut off frequency at attenuation typical 3dB, max 6dB
Operating temperature = -25 to 85°C

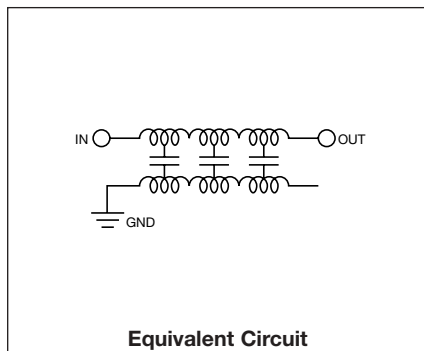
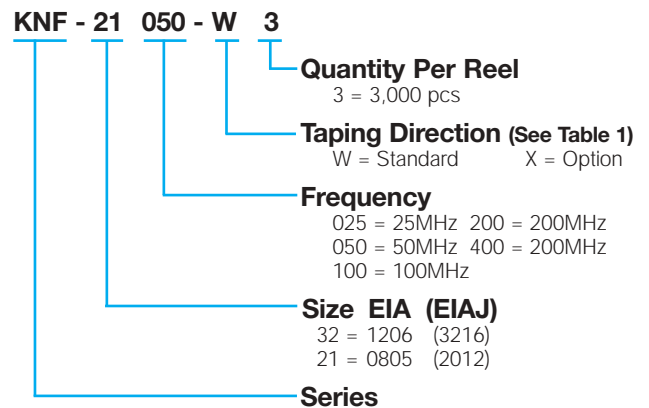
FEATURES

- Disturbed 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=0.95mm max.) suitable for miniature electronic equipment
- First class auto-placement

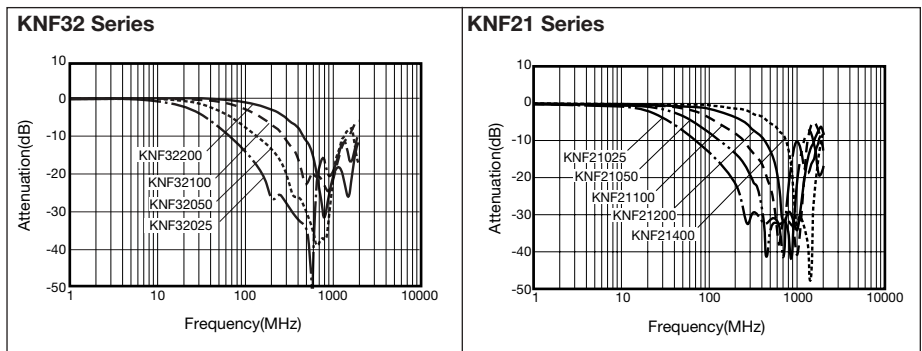
APPLICATIONS

- PCs, laser printers, cellular phone, 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

HOW TO ORDER



FREQUENCY CHARACTERISTICS

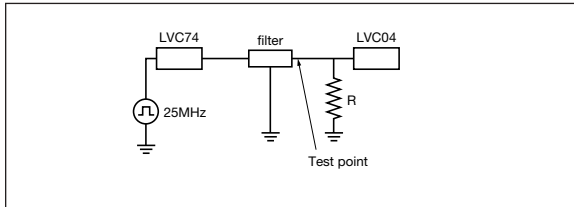


KNF Series

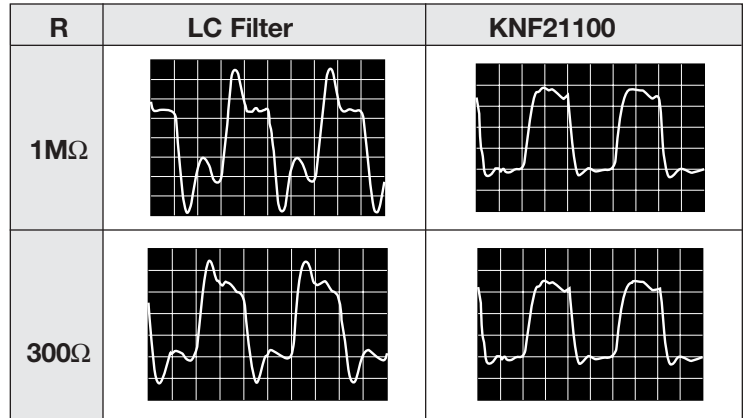
<IMPEDANCE FREE>

- Stable attenuation against impedance change
- Good impedance matching without ringing on distortion even at the time of IC ON/OFF and pattern layout change

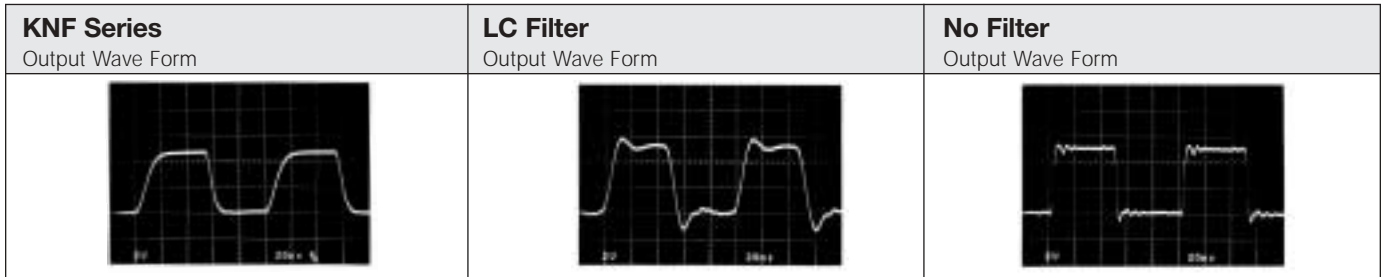
TEST CIRCUIT



OUTPUT WAVE FORM (Clock Frequency 25MHz)

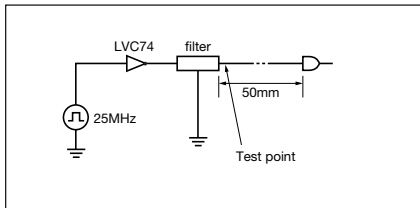


<NO RINGING> - EXCELLENT IMPEDANCE MATCHING

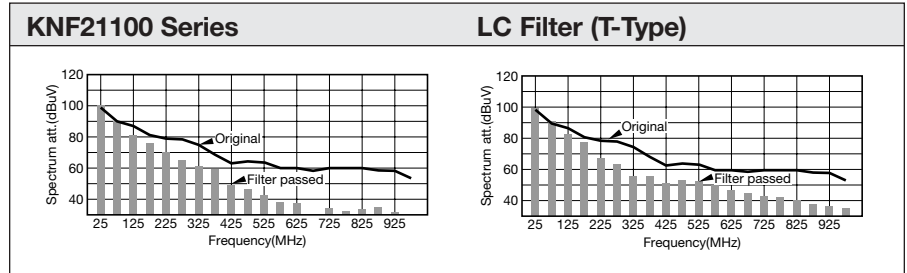


- Wide attenuation up to high frequency range without distortion

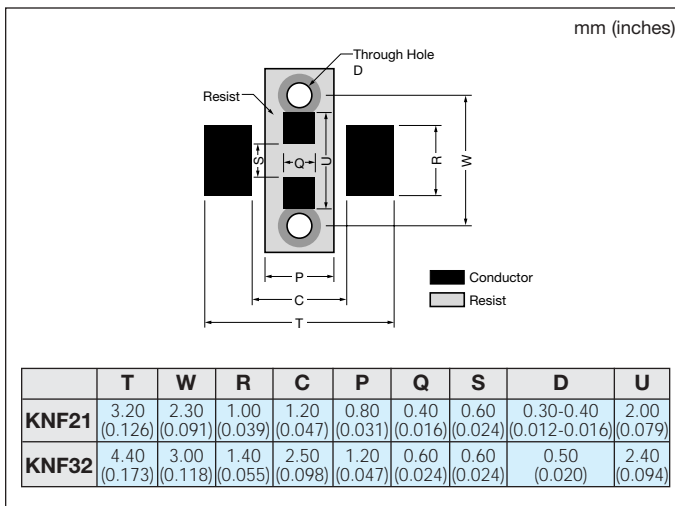
TEST CIRCUIT



WIDE ATTENUATION BANDWIDTH



RECOMMENDED LAND PATTERN



PACKAGING SPECIFICATION (Table 1)

