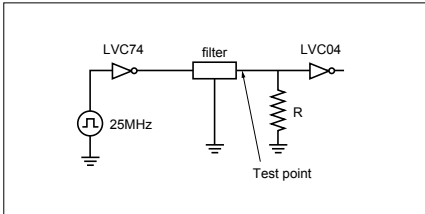


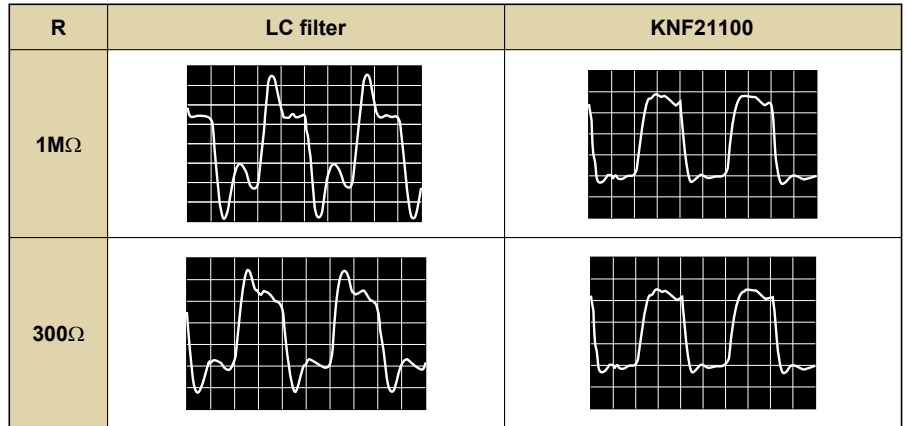
<Impedance Matching Free>

- 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

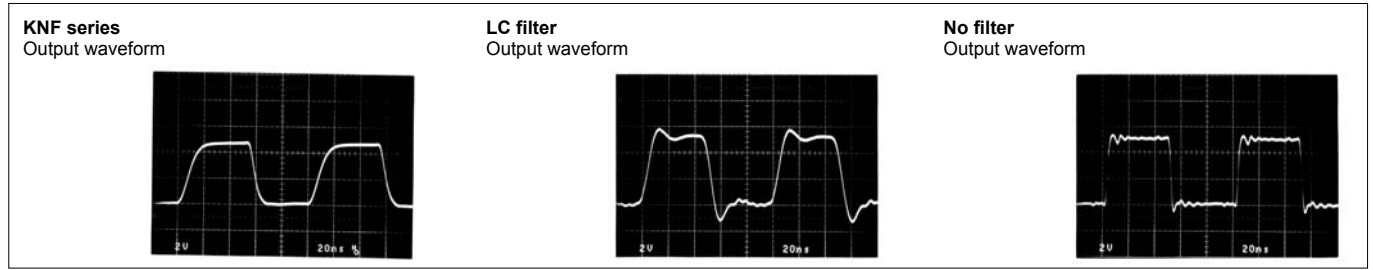


Output Waveform (Clock frequency 25MHz)



<No Ringing>

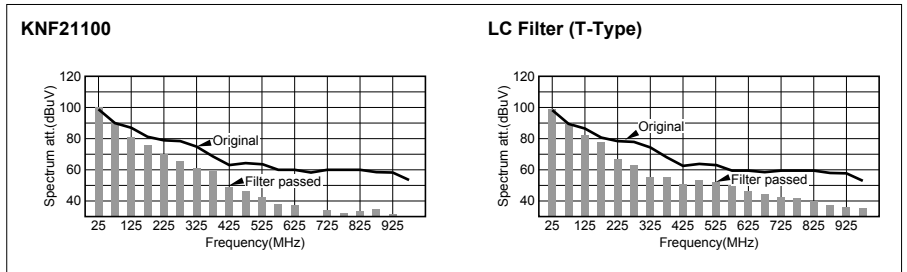
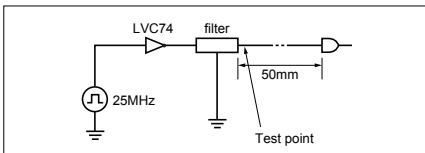
Excellent Impedance Matching



- Wide attenuation up to high frequency range without distortion

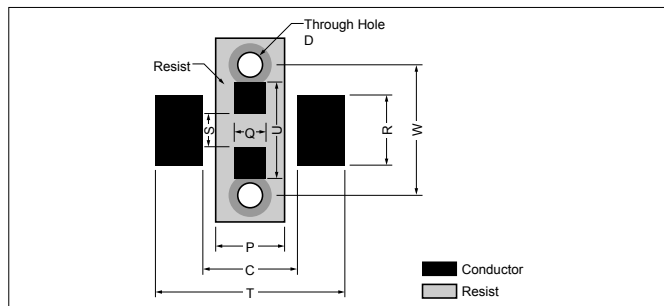
Wide Attenuation Bandwidth

Test Circuit



Recommended Land Pattern

(Unit : mm)

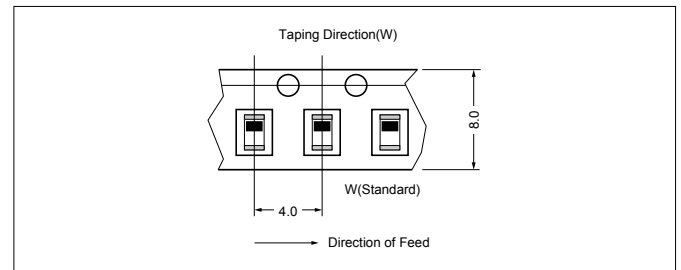


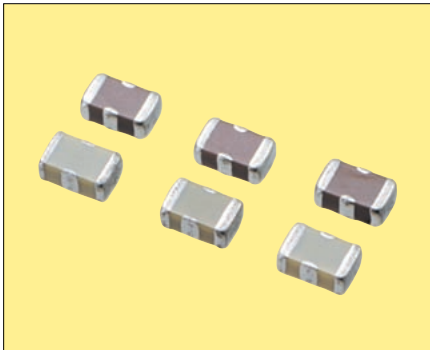
	T	W	R	C	P	Q	S	D	U
KNF21	3.20	2.30	1.00	1.20	0.80	0.40	0.60	0.3-0.4	2.00

Packaging Specification (Fig.1)

- Taping (3,000/reel)

(Unit : mm)





Pb Free

RoHS Compliant

Features

- 0805 Size. Rated current up to 2A.
- Effective for filtering noise on power (Vcc) lines.

Applications

- PCs, Laser Printers, Cellular Phone, Power/Signal Lines for LCD Display, Office Equipments
- AV Power Supply/Signal Line, TV, VCR, etc.
- High Current Signal Lines

How to Order

KNH 21 104 - 3 AA
① ② ③ ④ ⑤

- ① Series
- ② Size EIA (EIAJ)
21: 0805 (2012)
- ③ Capacitance Value

104	100nF	101	100pF
473	47nF	470	47pF
471	470pF	220	22pF
221	220pF		

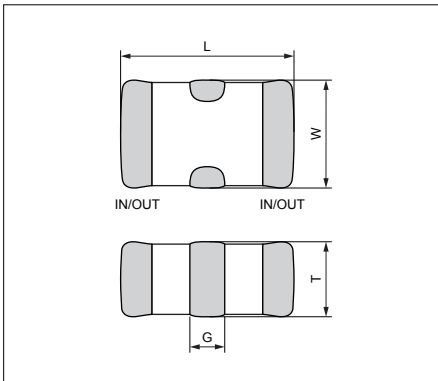
- ④ Quantity per Reel

3	3000pcs.
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- ⑤ Code (AA : STD)

Dimensions

(Unit : mm)



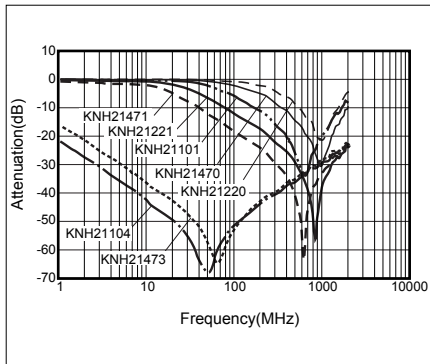
	KNH21
L	2.0±0.2
W	1.25±0.2
T	0.85±0.15
G	0.40±0.30

Specifications

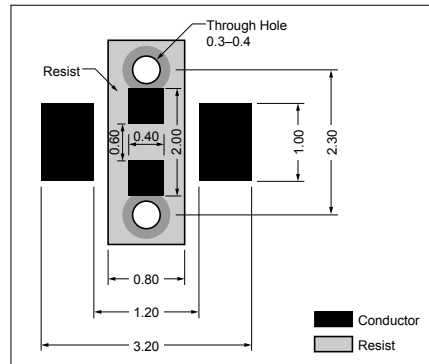
Type	Capacitance Value(pF) (+50/-20%)	Rated Current (A)	Rated Voltage (VDC)	Direct-current resistance(Ω)
KNH21104	100,000	2.0	25	≤0.02
KNH21473	47,000	2.0	50	≤0.02
KNH21471	470	1.0	50	≤0.08
KNH21221	220	1.0	50	≤0.08
KNH21101	100	1.0	50	≤0.08
KNH21470	47	1.0	50	≤0.08
KNH21220	22	1.0	50	≤0.08

Operating Temperature: -25 to 85(°C)

Attenuation Characteristics

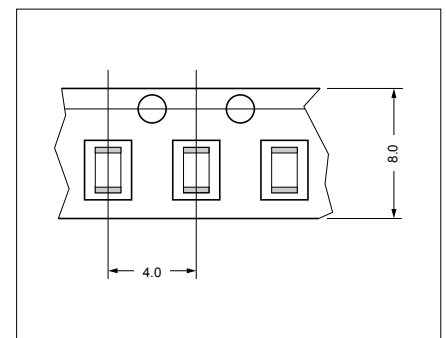


Recommended Land Pattern (Unit : mm)



Packaging specifications

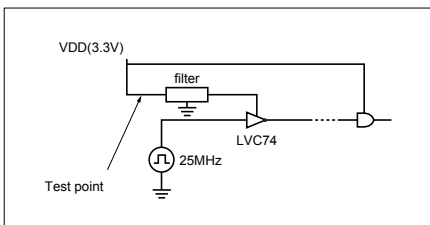
- Taping (3000/reel) (Unit : mm)



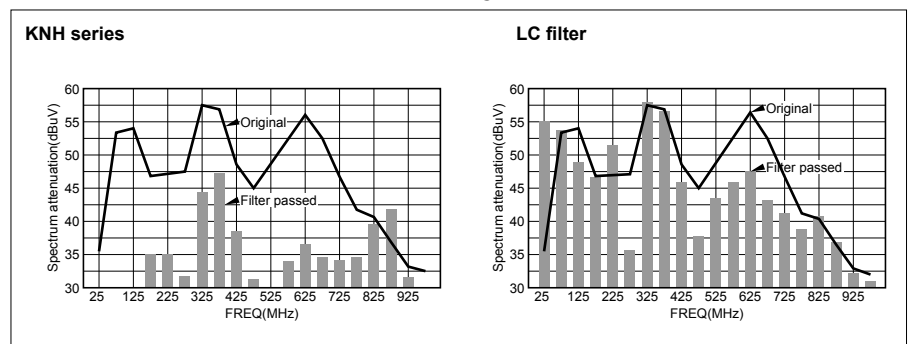
<Electrical Characteristics>

- Wide attenuation range including surrounding circuit.

Test Circuit



Attenuation Effect of Power Supply Noise



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Kyocera AVX:](#)

[KNF21050-W3](#) [KNF21100-W3](#) [KNF21400-W3](#)