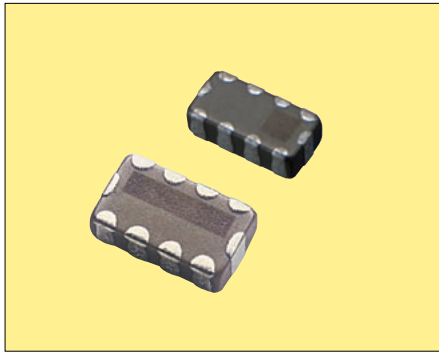




**THE DATASHEET OF
KNA32050-W3**





RoHS Compliant

Features

- Distributed constant type LC filter. Prevents ringing caused by circuit impedance. Suitable for high speed digital circuits and video signal lines.
- Stable noise attenuation over wide frequency ranges.
- Small and low profile.

Applications

- Data Lines for Mobile Phones (LCD Lines, Video Lines, Bus Lines)
- Bus Lines for Digital Equipment

How to Order

KNA 16 300 - W 3
① ② ③ ④ ⑤

- ① Series
- ② Size

	EIA	EIAJ
16	0603	1608
21	0805	2012

- ③ Frequency

300(KNA16)	300MHz
400(KNA21)	400MHz

*Frequency at Attenuation typical 3dB, max. 6dB

- ④ Taping Direction
W: Standard

- ⑤ Quantity per Reel

3	3000pcs.	KNA21 : std.
4	4000pcs.	KNA16 : option
5	5000pcs.	KNA16 : std.

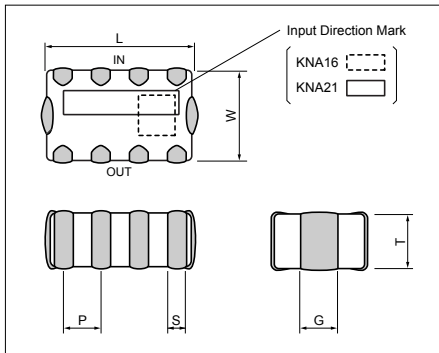
Specifications

Part Number	Cut off Freq. (MHz)	Capacitance (+25/-20%) (pF)	Attenuation (Typical)	Rated current(mA)	Rated voltage(VDC)
KNA16300	300MHz	16pF	800-1000MHz@-25dB	35mA	25VDC
KNA21301	300MHz	15pF	800-2000MHz@-20dB	35mA	25VDC
KNA21400	400MHz	18pF	800-1000MHz@-20dB	50mA	25VDC

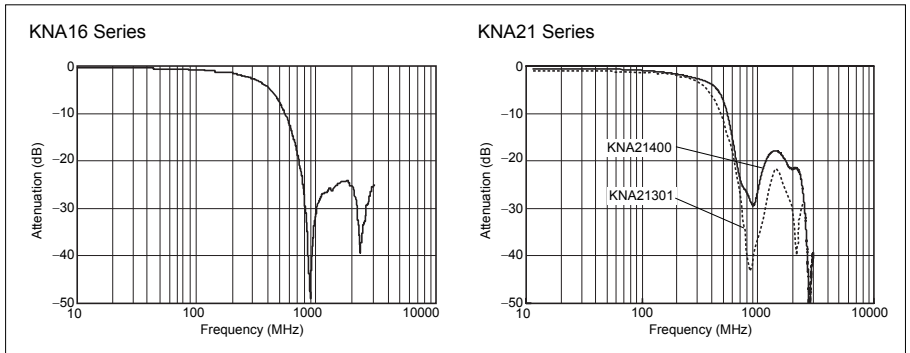
Operating Temperature: -25 to 85(°C)

Dimensions

(Unit : mm)



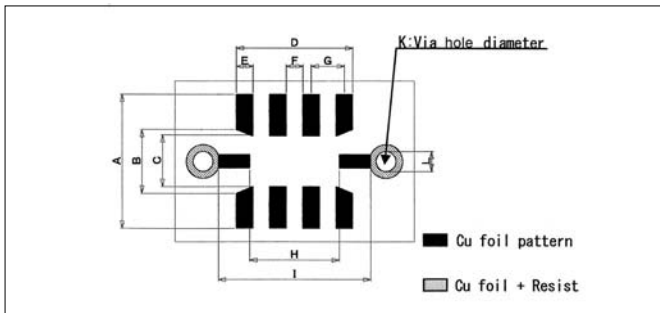
Frequency Characteristics



	L	W	T	P	S	G
KNA16	1.60±0.08	0.8±0.08	0.50±0.1	0.40	0.20±0.075	0.20±0.075
KNA21	2.0±0.2	1.25±0.2	0.7±0.15	0.50	0.25±0.1	0.40±0.15

Recommended Land Pattern

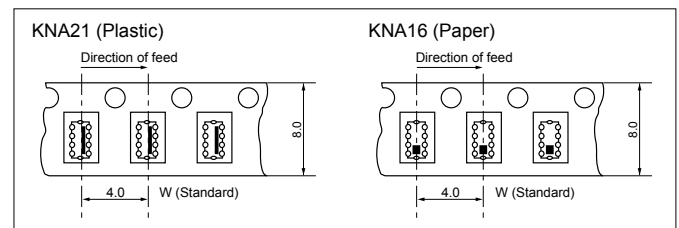
(Unit : mm)



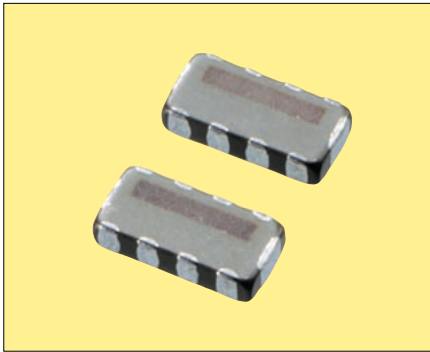
Packaging Specification

- Taping
 - (KNA16 : 5,000/reel : STD.)
 - (4,000/reel : Opt.)
 - (KNA21 : 3,000/reel : STD.)

(Unit : mm)



CODE	A	B	C	D	E	F	G	H	I	K	L
KNA16	1.10	0.60	0.50	1.40	0.20	0.20	0.40	1.30	1.80	0.20	0.20
KNA21	2.00	0.95	0.75	1.75	0.25	0.25	0.50	1.35	2.45	0.30	0.20



RoHS Compliant

Features

- Distributed constant type LC filter. Prevents ringing caused by circuit impedance. Suitable for high speed digital circuits and video signal lines.
- Stable noise attenuation over wide frequency ranges.
- Low profile (H=0.85mm max.) suitable for miniature electronic equipments.
- 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

KNA 32 050 - W 3
① ② ③ ④ ⑤

- ① Series
- ② Size EIA (EIAJ)
32 :1206 (3216)
- ③ Frequency

050	50MHz	200	200MHz
100	100MHz		

*Frequency at Attenuation typical 3dB, max. 6dB

- ④ Taping Direction (See Fig.1)
W: Standard
- ⑤ Quantity per Reel

3	3000pcs.
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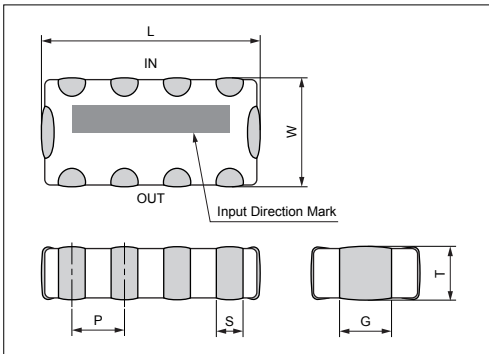
Specifications

Part Number	Cut off Freq. (MHz)	Capacitance (+25/-20%) (pF)	20dB Attenuation (Typecal)	Rated current(mA)	Rated voltage(VDC)
KNA32050	50MHz	115pF	350 – 850MHz	100mA	25VDC
KNA32075	75MHz	82pF	400 – 900MHz	100mA	25VDC
KNA32100	100MHz	65pF	450 – 950MHz	100mA	25VDC
KNA32150	150MHz	45pF	600–1100MHz	100mA	25VDC
KNA32200	200MHz	35pF	700–1200MHz	100mA	25VDC

Operating Temperature: -25 to 85(°C)

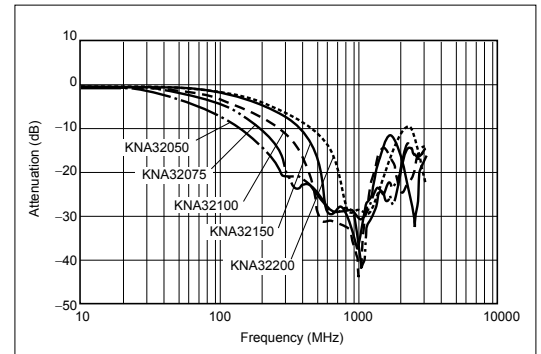
Dimensions

(Unit : mm)



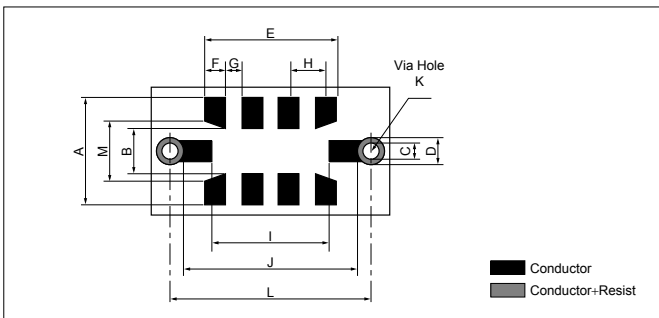
	KNA32
L	3.2±0.2
W	1.6±0.2
T	0.75±0.1
P	0.8
S	0.35±0.15
G	0.80±0.20

Frequency Characteristics



Recommended Land Pattern

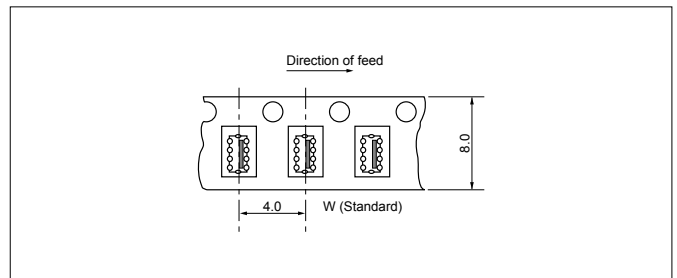
(Unit : mm)



Packaging Specification (Fig.1)

- Taping (3,000/reel)

(Unit : mm)



CODE	A	B	C	D	E	F	G	H	I	J	K	L	M
DIMENSION	2.2	1.0	0.4	0.6	2.8	0.4	0.4	0.8	2.6	3.8	0.3 to 0.4	4.2	1.3

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View KNA32050-W3 on WIN SOURCE](#)
- ⊖ [AVX Corp/Kyocera Corp Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management