

RoHS Compliant

**Features**

- Anti-ESD function by ZnO varistor is integrated in one package.
- Distributed constant type LC filter. Prevents ringing caused by circuit impedance.
- Stable noise attenuation over wide frequency range.
- Ultra Small and low profile.

**Applications**

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

**How to Order**

**KVA 16 300 C25 MA 1D 5T S**  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series			
② Size Code	<b>16</b>	1608 (EIA: 0603)	
③ Cut off Frequency	<b>200</b>	200MHz	<b>300</b> 300MHz
④ Capacitance	<b>25</b>	25pF	<b>35</b> 35pF
⑤ Application	<b>MA</b>	For Mobile phone	
⑥ Breakdown Voltage	<b>1D</b>	20V	
⑦ Packaging	<b>5T</b>	T&R: 5000 pcs. (Std.)	
⑧ Termination	<b>S</b>	Std.	

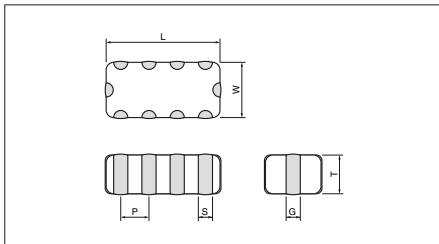
**Specifications**

Part Number	Cut off Frequency*	Capacitance (+30/ -30%)	Attenuation**	Working Voltage	Breakdown Voltage
KVA16200C35MA1D5TS	200MHz	35pF	800 to 1000MHz (@30dB) 1000 to 2000MHz (@20dB)	5V	16V to 24V
KVA16300C25MA1D5TS	300MHz	25pF	800 to 1000MHz (@25dB) 1000 to 2000MHz (@20dB)	5V	16V to 24V

\* Attenuation of cut off frequency is 6dB max.  
\*\* Typical characteristics with 50 ohm termination.

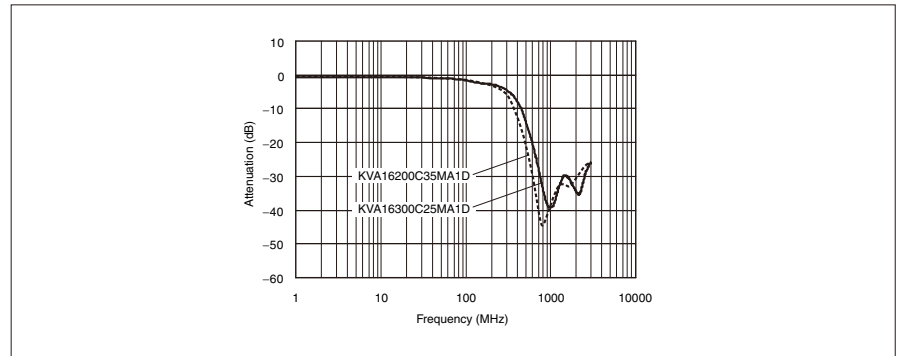
**Dimensions**

(Unit: mm)



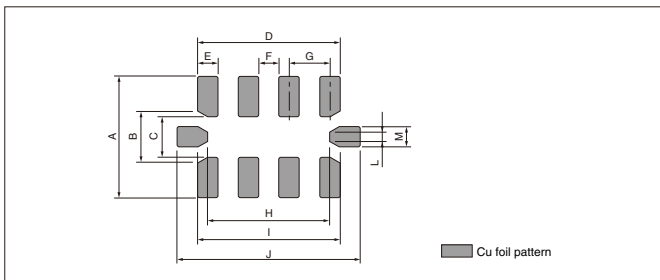
CODE	L	W	T
Dimensions	1.60±0.10	0.8±0.10	0.50±0.10
CODE	P	S	G
Dimensions	0.40	0.20±0.075	0.20±0.075

**Attenuation Characteristics**



**Recommended Land Pattern**

(Unit: mm)

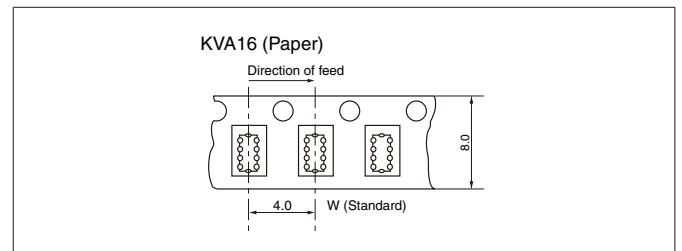


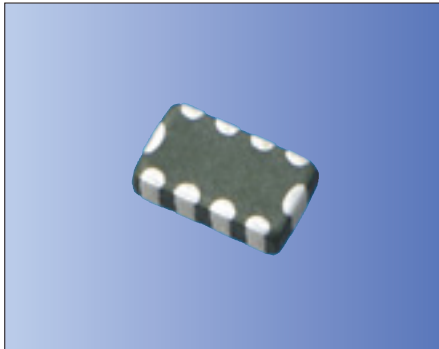
CODE	A	B	C	D	E	F	G	H	I	J	L	M
Dimensions	1.20	0.50	0.40	1.43	0.23	0.17	0.40	1.20	1.40	1.80	0.10	0.20

**Packaging Specification**

- Taping KVA16 : 5,000/ reel: STD.

(Unit: mm)





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**Applications**

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**How to Order**

**KVA 21 300 C25 MA 1D 3T S**  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series
- ② Size Code  

<b>21</b>	2012 (EIA: 0805)
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- ③ Cut off Frequency  

<b>200</b>	200MHz	<b>300</b>	300MHz
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- ④ Capacitance  

<b>25</b>	25pF	<b>35</b>	35pF
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- ⑤ Application  

<b>MA</b>	For Mobile phone
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- ⑥ Breakdown Voltage  

<b>1D</b>	20V
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- ⑦ Packaging  

<b>3T</b>	T&R: 3000 pcs. (Std.)
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- ⑧ Termination  

<b>S</b>	Std.
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**Specifications**

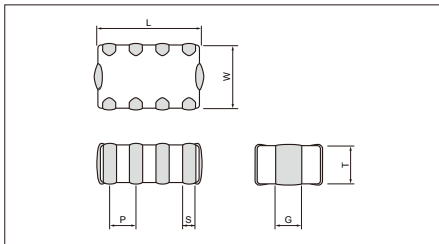
Part Number	Cut off Frequency*	Capacitance (+30/ -30%)	Attenuation**	Working Voltage	Breakdown Voltage
KVA21200C35MA1D3TS	200MHz	35pF	800 to 1000MHz (@30dB) 1000 to 2500MHz (@20dB)	5V	20V
KVA21300C25MA1D3TS	300MHz	25pF	800 to 1000MHz (@25dB) 1000 to 2500MHz (@20dB)	5V	20V

\* Attenuation of cut off frequency is 6dB max.

\*\* Typical characteristics with 50 ohm termination.

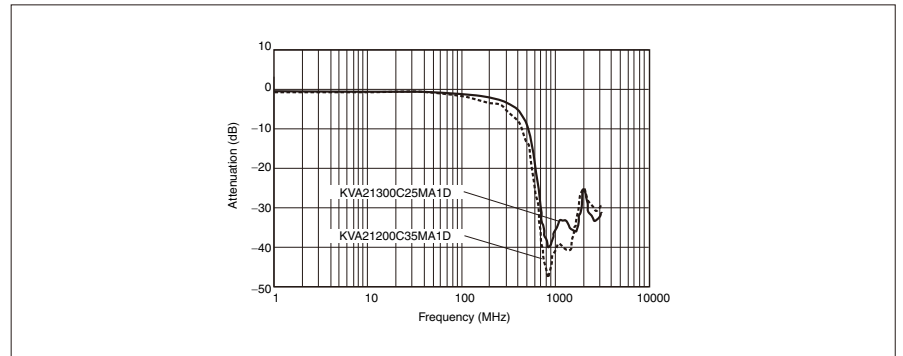
**Dimensions**

(Unit: mm)



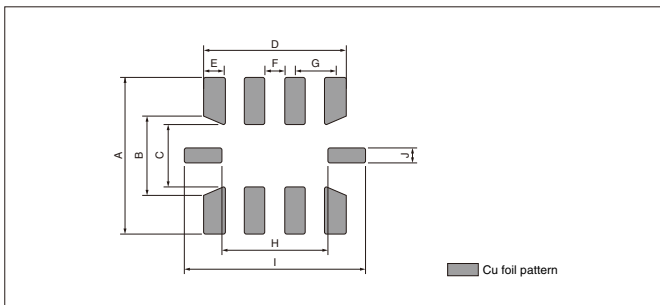
CODE	L	W	T
Dimensions	2.0±0.2	1.25±0.2	0.7±0.15
CODE	P	S	G
Dimensions	0.50	0.25±0.1	0.40±0.15

**Attenuation Characteristics**



**Recommended Land Pattern**

(Unit: mm)



CODE	A	B	C	D	E	F	G	H	I	J
Dimensions	2.00	0.95	0.75	1.75	0.25	0.25	0.50	1.35	2.45	0.20

**Packaging Specification**

- Taping KVA21 : 3,000/ reel: STD. (Unit: mm)

