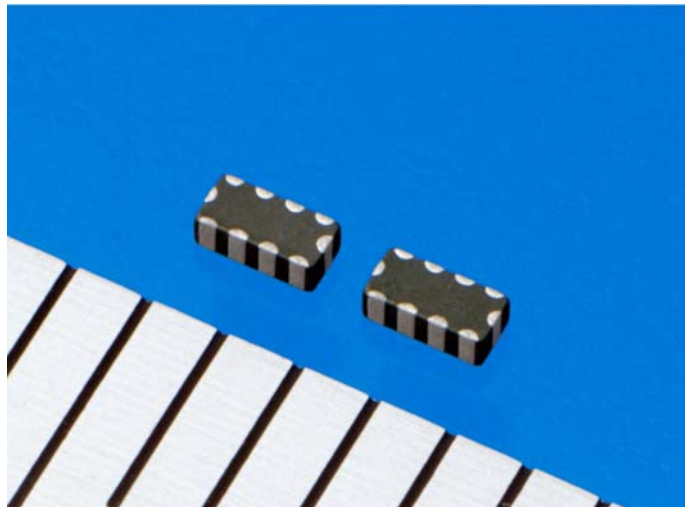


Features

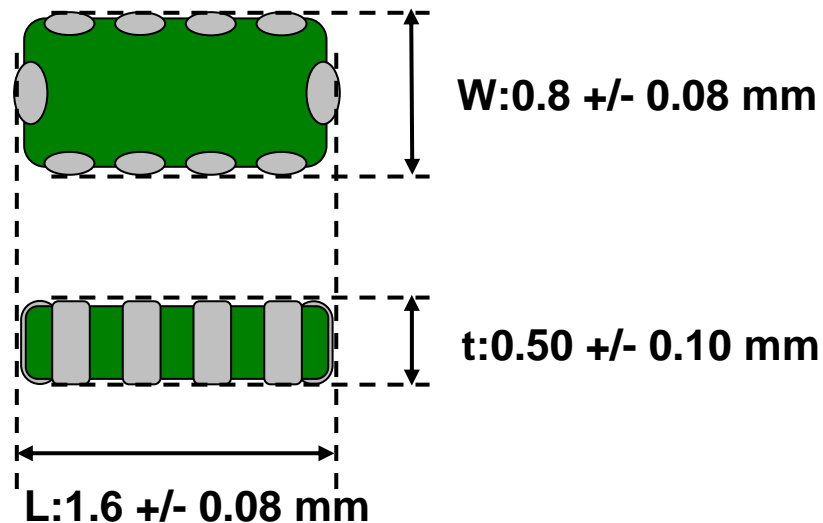
- **World Smallest Class Size (1.6x0.8x0.5mm)**
- **Quad EMI filter array with ESD protection**
- **High attenuation by LC circuits**
- **Excellent ESD protection by ZnO varistor material**

Applications

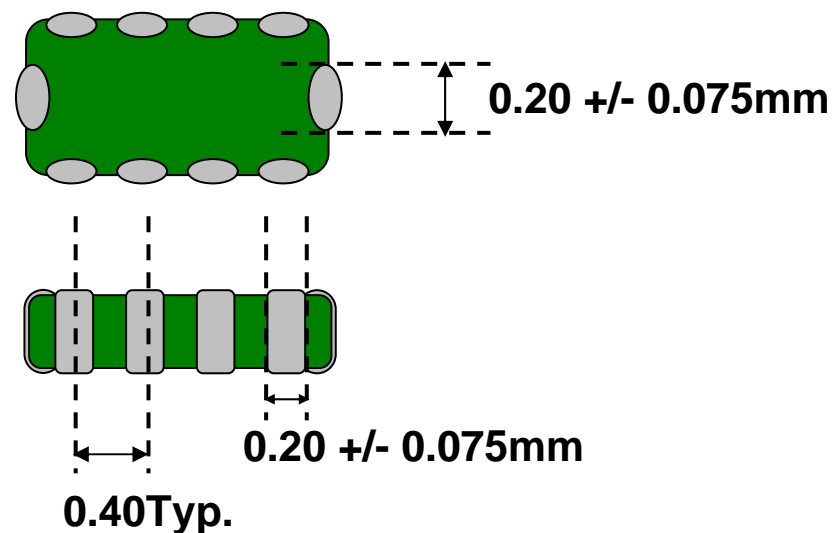
- **Data lines for mobile phones (LCD lines, video lines, bus lines)**
- **Bus lines for digital electronic devices**



Dimensions (typ.)



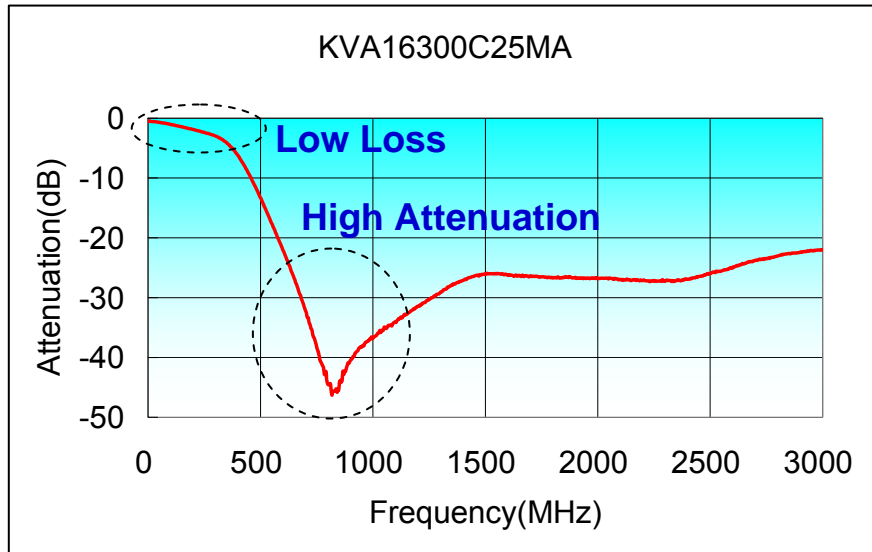
Terminal Dimensions



Electrical Characteristics

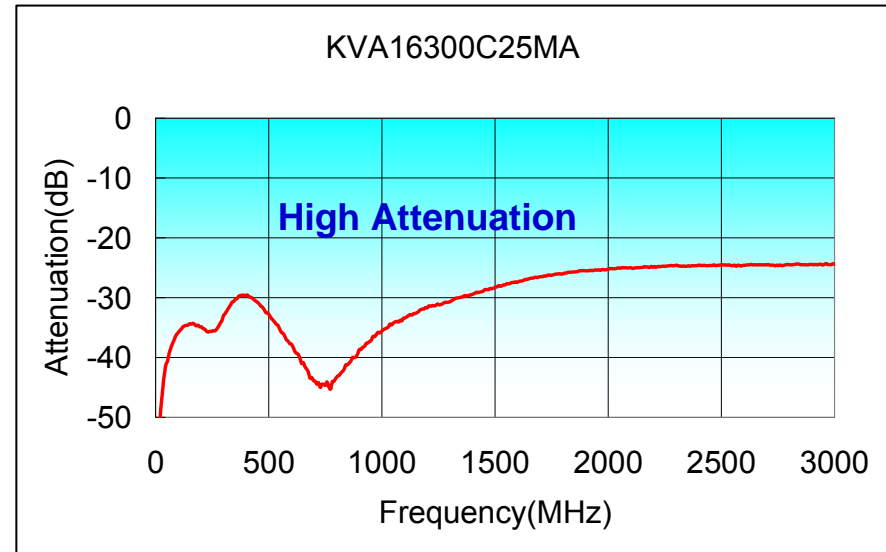
Part Number	Cut off Frequency	Capacitance	Rated Voltage	Rated Current	Breakdown Voltage	ESD (Contact)
	MHz	pF	V	mA	V	V
KVA16200C35MA1B	200	35	5	35	10-16 typ.	+/- 8k
KVA16300C25MA1D	300	25	5	35	16-24 typ.	+/- 8k

Attenuation Curve (S21)



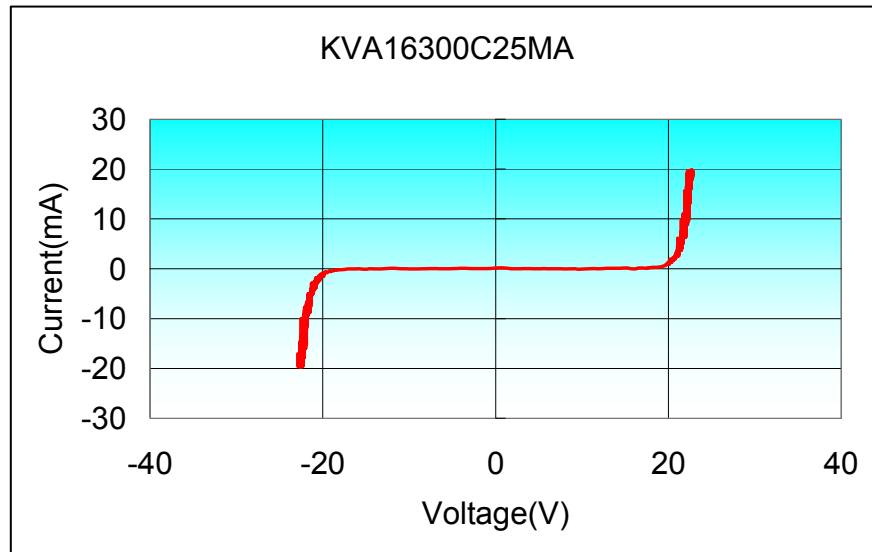
Insertion loss is minimal as shown in the graph. Attenuation of 25dB or more is obtained over 800MHz -1GHz frequency range, and attenuation of 20dB or more is obtained over 1GHz -2GHz frequency range.

Cross Talk (S41)

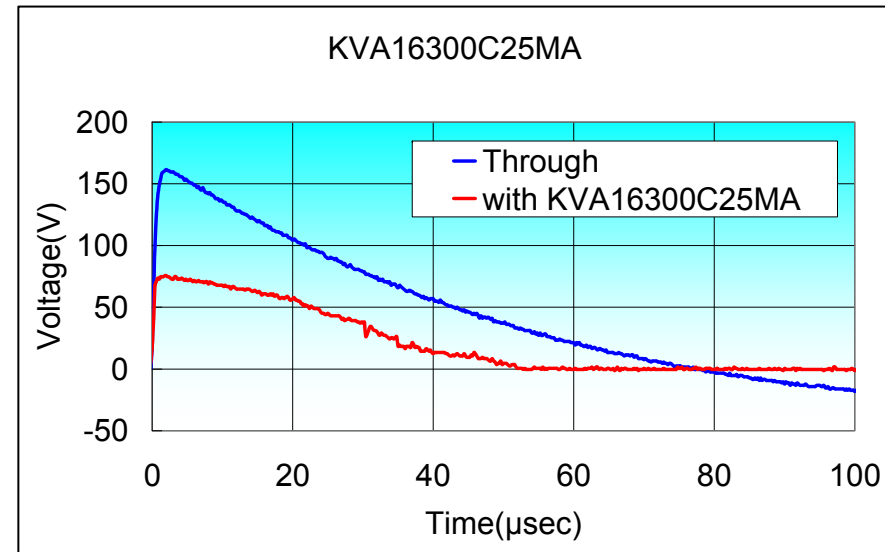


Attenuation of 20dB or more is obtained over wide 0Hz - 3GHz frequency range.

I-V Characteristics



Surge Clamping



ESD voltage spontaneously reaches peak voltage. KVA16 also exhibits clamping characteristics to this ESD voltage as well.