

## ■ Ratings

Type (inch size)	Capacitance <sup>(1)</sup>	Peak Voltage <sup>(2)</sup>	Clamping Voltage <sup>(3)</sup>	Rated Voltage	Category Temperature Range
EZAEG1A (0201)	0.04 <sup>+0.04</sup> <sub>-0.03</sub> pF	500 V max. (350 V typ.)	100 V max.	30 V max	-55 to +125 °C
EZAEG2A (0402)	0.05 <sup>+0.05</sup> <sub>-0.04</sub> pF				
EZAEG3A (0603)	0.10 <sup>+0.10</sup> <sub>-0.08</sub> pF				

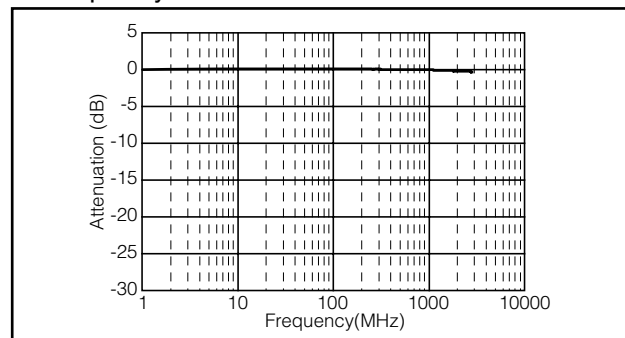
(1) Capacitance = The capacitance value shall be measured under the conditions specified below.

Frequency : 1 MHz±10 %, Voltage : 1 Vrms±0.2 Vrms, Temperature : 25 °C±2 °C

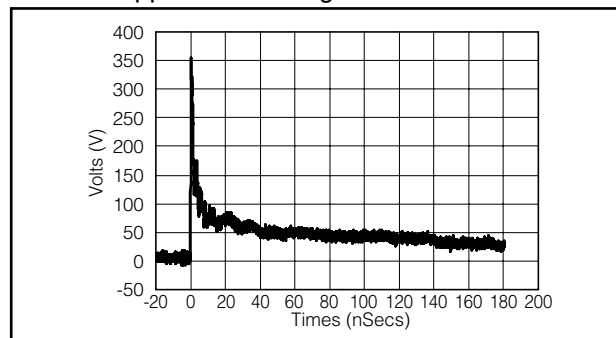
(2) Peak Voltage = The peak voltage value shall be measured under the following conditions. ESD test conditions : IEC61000-4-2, 8 kV contact discharge

(3) Clamping Voltage = The clamping voltage value shall be measured at 30 ns after initiation of pulse and measured under the conditions specified below.  
ESD test conditions : IEC61000-4-2, 8 kV contact discharge

## ■ Frequency Characteristics

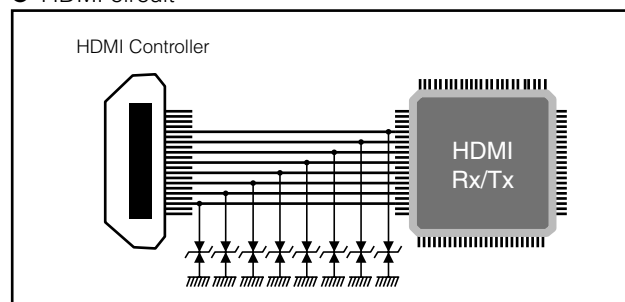


## ■ ESD Suppression Voltage Waveform

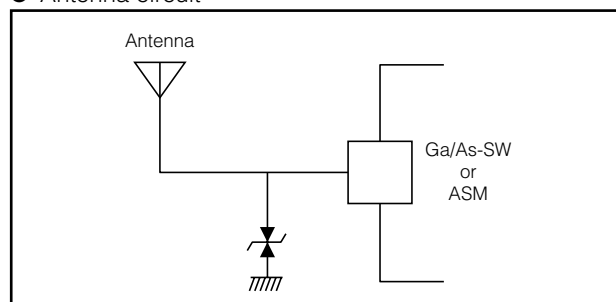


## ■ Typical Circuits Requiring Protection

### ● HDMI circuit

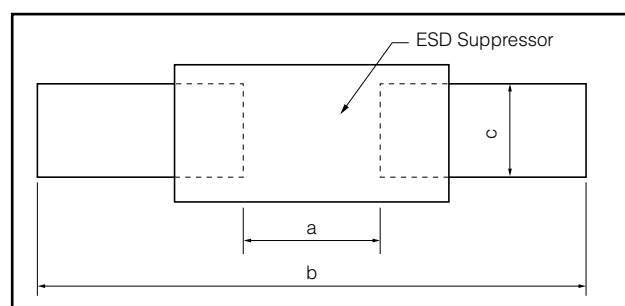


### ● Antenna circuit



## ■ Recommended Land Pattern

Recommended land pattern design for ESD Suppressor is shown below.



Type (inch size)	Dimensions (mm)		
	a	b	c
EZAEG1A (0201)	0.3 to 0.4	0.8 to 0.9	0.25 to 0.35
EZAEG2A (0402)	0.5 to 0.6	1.4 to 1.6	0.4 to 0.6
EZAEG3A (0603)	0.7 to 0.9	2.0 to 2.2	0.8 to 1.0

## ■ Packaging Methods, Soldering Conditions and Safety Precautions

Please see Data Files