



# ESD Suppressor type: EZAEG

## Dimension



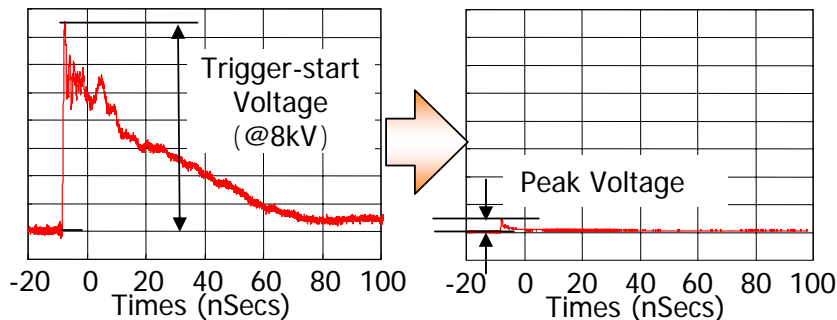
P/N	(inch/mm)	L	W	t
EZAEG2A	0402/1005	0.039/1.0	0.02/0.5	0.02/0.38
EZAEG3A	0603/1608	0.063/1.6	0.03/0.8	0.02/0.5

## Specification

Cap. Value	EZAEG2A	0.05pF
	EZAEG3A	0.10pF
Peak voltage	500V max. (350V typ.)	
Clump Voltage (after 30ns)	100V max.	
Rated Voltage	15V(30V)	

## ESD Suppression Voltage Waveform Image

ESD Voltage Initial Waveform    Waveform after Clumping



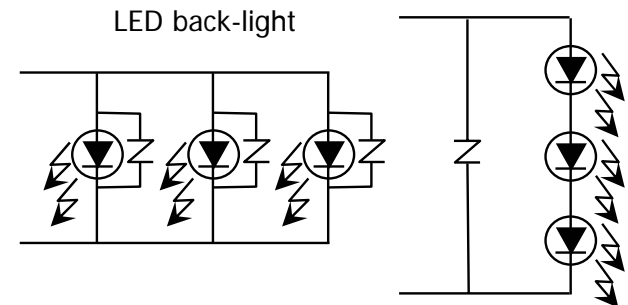
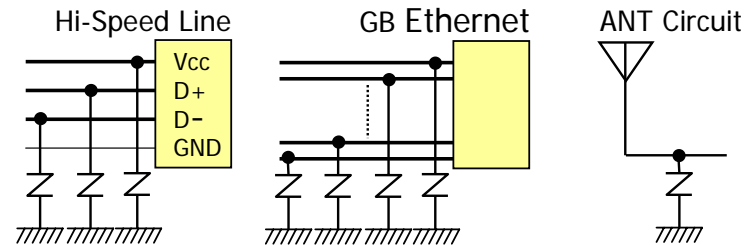
## Feature

1. **Ultra Low Cap. Value**
2. Good ESD Suppression Characteristic

**0.1pF typ.**

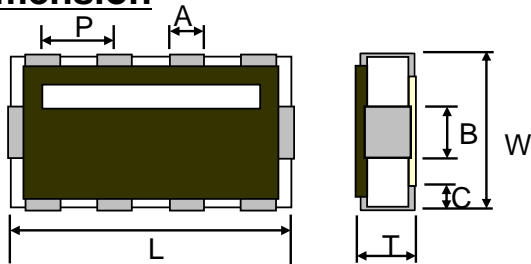
## Application

1. ANT Circuit of Mobile equipment
2. Hi-Speed Signal Line  
(USB, IEEE1394, **HDMI**, SATA, Display Port etc.)
3. each I/O Line & LED Circuit etc.



# ESD Suppressor array EZAEGCA type

## Dimension



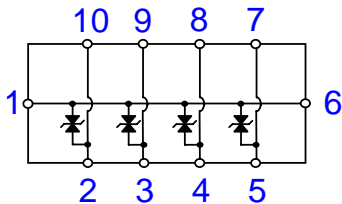
L	W	T	A	B	C	P
2.0	1.2	0.5	0.3	0.35	0.25	0.5

(mm)

## Feature

- (1)ESD protection for 2 pairs of Hi-Speed Differential Data Lines (HDMI etc.) in one package
- (2)Low Capacitance (Good TDR Characteristic)

## Circuit Configuration



GND:1,6  
In/Out:2,3,4,5,  
7,8,9,10

4 Signal lines are contained in the product

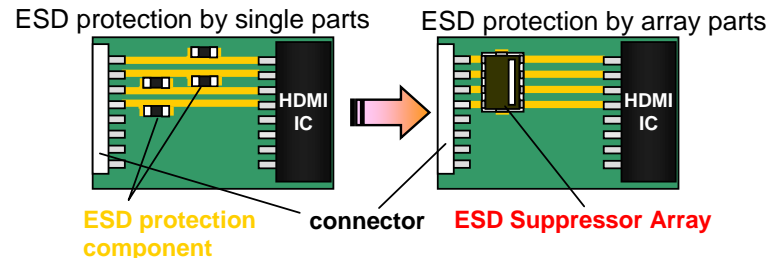
## Specification

C value	0.25+0.05/-0.10pF
Peak voltage	500V max.(350V typ.)
Clamping voltage(after 30ns)	100V max.
Rated voltage	15V(I/O to GND)
Rated current	100mA max.(I/O to I/O)

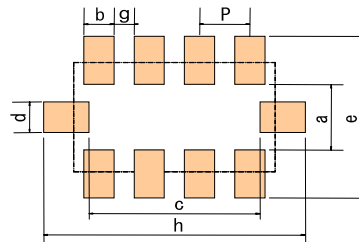
## Application

High-Speed Data line : HDMI,IEEE1394

### Application note



## Recommended Land Pattern Design



a	b	c	d	e	g	h	P
0.75	0.25	1.70	0.35	1.85	0.25	2.60	0.50