Panasonic

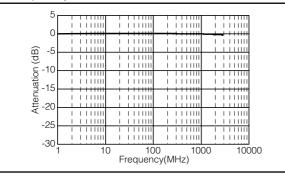
Ratings

Type (inch size)	Capacitance ⁽¹⁾	Peak Voltage(2)	Clamping Voltage ⁽³⁾	Rated Voltage	Category Temperature Range
EZAEG1A (0201)	0.04 ^{+0.04} _{-0.03} pF	500 V max. (350 V typ.)	100 V max.	30 V max	–55 to +125 °C
EZAEG2A (0402)	0.05 ^{+0.05} _{-0.04} pF				
EZAEG3A (0603)	0.10 ^{+0.10} _{-0.08} pF	(000 V typ.)			

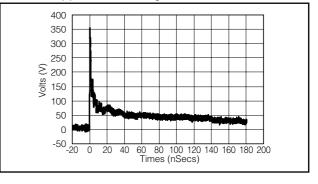
(1) Capacitance = The capacitance value shall be measured under the conditions specified below.

(1) Objectivities – The capacitative value shall be measured under the collation's 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

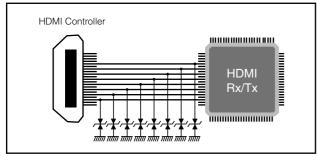


ESD Suppression Voltage Waveform

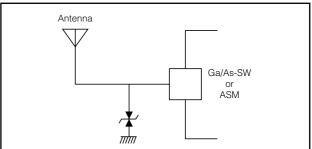


Typical Circuits Requiring Protection



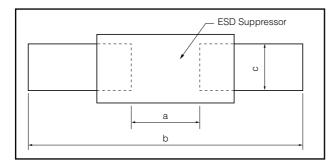


Antenna circuit



Recommended Land Pattern

Recommended land pattern design for ESD Suppressor is shown below.



Туре	Dimensions (mm)			
(inch size)	а	b	С	
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

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.