



Features

- Protection against high ESD voltage and current
- Compact size for EIA1206
- Extremely quick response Time (<1ns)
- Extremely low capacitance (<0.5pF)
- Extremely low leakage current
- Zero signal distortion
- Bi-directional

Applications

EGA Array is applied to RF module, Antenna circuit, IEEE-1394, USB2.0, DVI, and HDMI...etc. high speed signal interface.

How to Order

EGA **4** **1206** **V12** **A**

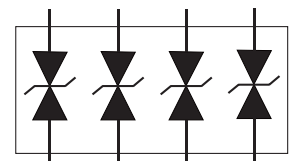
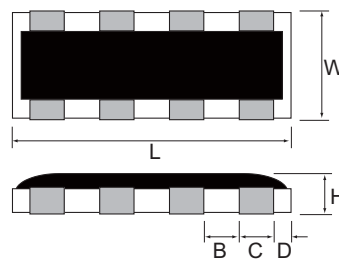
1 2 3 4 5 6

- 1 Series Type : ESD Guard™ Series
- 2 Elements Per Chip
- 3 Chip Size (EIA) : 1206
- 4 Continuous Operating Voltage, 12V_{bc}
- 5 Type A is suitable for IEC61000-4-2 Level 4
- 6 Suffix for Special Code

Dimensions

Unit: mm

Size EIA (EIAJ)	1206 (3216)
L	3.20±0.2
W	1.60±0.2
H	0.50±0.1
B	0.40±0.2
C	0.40±0.2
D	0.20±0.1



Specifications

Part Number	EGA41206V12A
Maximum Operating Voltage (V_{bc})	12V
Leakage Current ¹ (I_L)	0.01 μ A
Capacitance ² , @1MHz(C_p)	0.2pF
Trigger Voltage (V_t)	150V
Clamping Voltage ³ (V_c)	30V
ESD Voltage Capability, Contact Discharge Mode (KV)	8KV
ESD Voltage Capability, Air Discharge Mode (KV)	15KV
Minimum ESD Pulse Withstand	100

Notes:

1. Leakage current at maximum operating voltage.
2. Capacitance is measured with 1Vrms.
3. Per IEC 61000-4-2, 30A@8kV, level 4, clamp measurement made 30 ns after initiation of pulse, all test in contact discharge mode.

General Technical Data

Operating Temperature	-40... +85°C
Storage Condition	-40... +85°C
Response Time	<1 ns
Solderability	245 \pm 5°C, 3 sec

Environmental Performance

Item	Specifications	Test Condition
Bias Humidity	$I_L \leq 10 \mu A$	90%RH, 40°C, Rated Voltage, 1000 hrs
Thermal Shock		-40°C to 85°C, 30 min. cycle, 5 cycles
High Temperature Loading		Rated Voltage, 85°C, 1000 hrs
Solder Leach Resistance		260°C, 10 sec

I_L – Leakage current at rated voltage, the maximum leakage current was measured after reliability test.

Package

Size EIA (EIAJ)	1206 (3216)
Standard Packing Quantity (pcs / reel)	5,000pcs