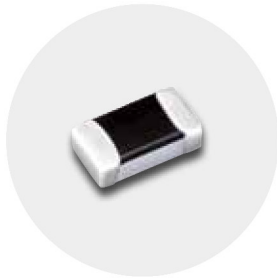


EGA AM Series



FEATURES

- Qualified based on AEC-Q200
- For RoHS Compliance.
- Meet IEC61000-4-2 Level 4 standard
- Extremely quick response time (<1ns)
- Extremely low capacitance (0.2pF typical)
- Extremely low leakage current
- Bi-directional device
- More than 1000 pulses ESD withstand capability
- Compact size for EIA 0402/0603

APPLICATIONS

- USB 3.0, HDMI, Displayport, MIPI, LVDS, MDDI, DVI, RGB

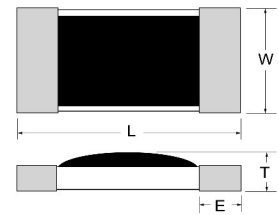
EXPLANATION OF PART NUMBER

<b>EGA</b>	<b>1</b>	<b>0603</b>	<b>V24</b>	<b>AM</b>
1	2	3	4	5

- 1: ESDGUARD Series
- 2: Element: 4 element
- 3: Chip size
- 4: Rated voltage
- 5: AM: Automotive series

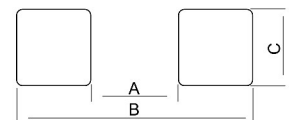
DIMENSION Unit: mm

EIA	L	W	T	E
0402	1.00±0.10	0.50±0.10	0.34±0.10	0.20±0.15
0603	1.60±0.10	0.85±0.15	0.51±0.05	0.30±0.20



SOLDER LAND INFORMATION Unit: mm

Size (EIA)	A	B	C
0402	0.50	1.50	0.50
0603	0.75	2.25	0.75



STANDARD PACKING

Size (EIA)	0402	0603
Quantity (pcs/reel)	10,000	5,000

SPECIFICATIONS

Characteristic	Symbol	Unit	EGA10402			EGA10603		
			V05	V12	V24	V05	V12	V24
Rated voltage (max)	VDC	V	5	12	24	5	12	24
Leakage current	IL	µA	0.01					
Trigger voltage	Vt	V	300V typ.					
Clamping voltage	Vc	V	30V typ.					
Capacitance, @1MHz	Cp	pF	0.2 typ.					
Response time		ns	<1					
ESD voltage capability, IEC 61000-4-2 Contact discharge mode		Kv	8					
ESD voltage capability, IEC 61000-4-2 Air discharge mode		Kv	15KV					
ESD withstand pulses		Pulses	1000 typ.					

Rated voltage - IL measurement rated voltage  
 Vt – Measurement by using Transmission Line Pulse (TLP)  
 Vc – Measurement by using Transmission Line Pulse (TLP)  
 Cp – Device capacitance measured with 1Vrms