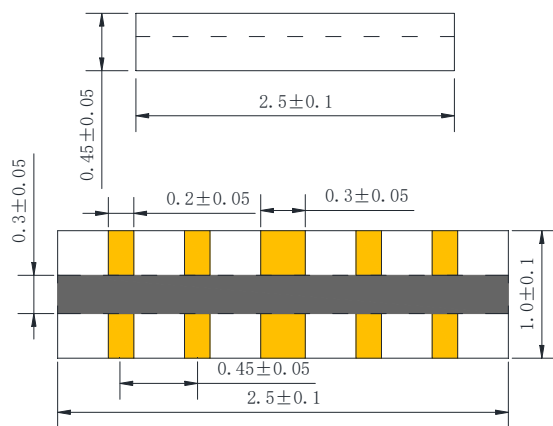
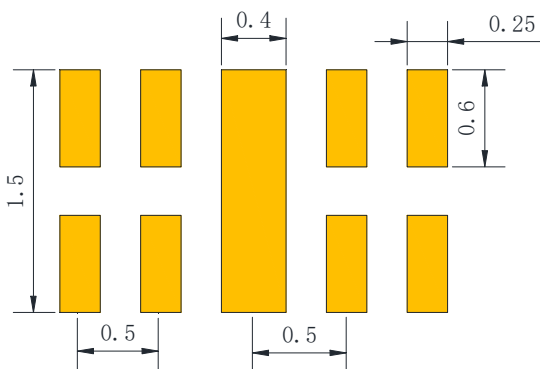




Dimensions (unit: mm)



Recommended pad layout (unit: mm)



Note: Print solder in thickness of 0.15mm to 0.20mm

Ordering Information

Series	Supplementary Code	Qty
0402ESD-4P		

Features

- ESD protection of high-speed data lines exceeding
- IEC61000-4-2 (ESD): 15kV air / 8kV contact
- Extremely small form factor down to $2.50 \times 1.0 \times 0.50 \text{ mm}^3$ with 4 Channel protection
- Continuous operating voltage: Max. 5Vdc
- Extremely low capacitance: 0.10pF typ.
- Low clamping voltage: 35V typ.
- Very low leakage current: Max. 0.10μA
- Pb- and Halogen-free, RoHS compliant packaging

Electrical Specifications

Specifications	Part Number
	0402ESD-4P
Continuous operating voltage	Max. 5Vdc
Low clamping voltage	35V(typical)
Trigger voltage	450V(typical)
Response time	<1 ns
ESD Threat Voltage Capability	IEC 61000-4-2 Contact Discharge: 8kV Air Discharge: 15kV
Capacitance (@1MHz)	0.10pF(typical)
Leakage Current (@5Vdc)	<0.10 μA
Operating Temperature	-40°C to +90°C

Storage Conditions

+10°C to +60°C
 Relative humidity: ≤75% yearly average
 Without dew, maximum 30 days at 95%

Soldering Parameters

260°C. ≤ 10 sec (Wave Soldering)
 350°C. ≤ 3 sec (Hand Soldering)

ESD Performance

The device reacts within 1ns to clamp ESD Voltage

