

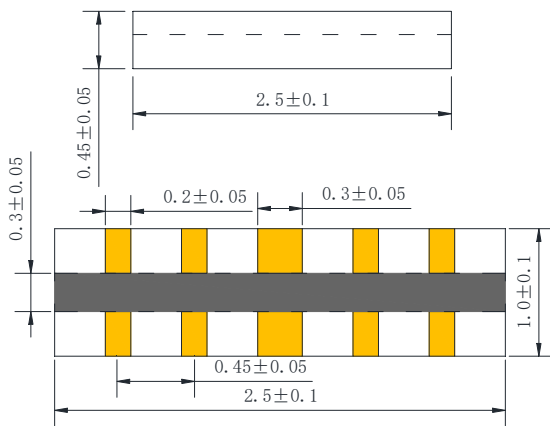


Features

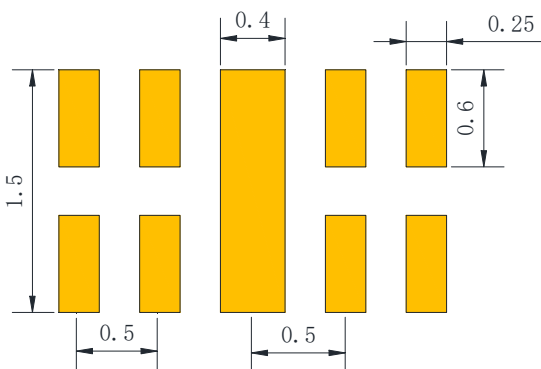
- ESD protection of high-speed data lines exceeding
- IEC61000-4-2 (ESD): 15kV air / 8kV contact
- Extremely small form factor down to 2.50 x 1.0 x 0.50 mm³ with 4 Channel protection
- Continuous operating voltage: Max. 5Vdc
- Extremely low capacitance: 0.10pF typ.
- Low clamping voltage: 35V typ.
- Very low leakage current: Max. 0.10µA
- Pb- and Halogen-free, RoHS compliant packaging



Dimensions (unit: mm)



Recommended pad layout (unit: mm)



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

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

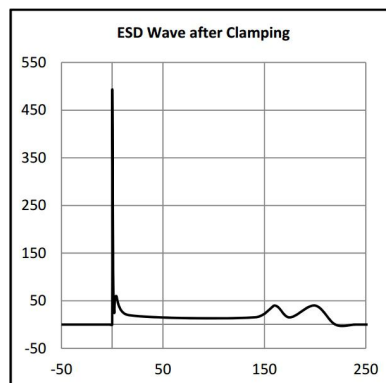
+10°C to +60°C
Relative humidity: ≤75% yearly average
Without dew, maximum 30 days at 95%

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



Ordering Information

| Series | Supplementary Code | Qty |
|------------|--------------------|-----|
| 0402ESD-4P | | |