

Bi Direction ESD Protection Diode

(Silicon Epitaxial Planer)

RSB12JS2

●Application

ESD Protection

●Features

- 1) Low capacitance
- 2) Bi direction
- 3) Ultra small mold type (EMD6)

●Absolute maximum ratings (Ta=25°C)

| | | |
|----------------------|------|---------------|
| Power dissipation | Pd | 150 mW/Total |
| Junction temperature | Tj | 150 °C |
| Storage temperature | Tstg | -55 to 150 °C |

●Electrical characteristics (Ta=25°C) (*Rating of per diode)

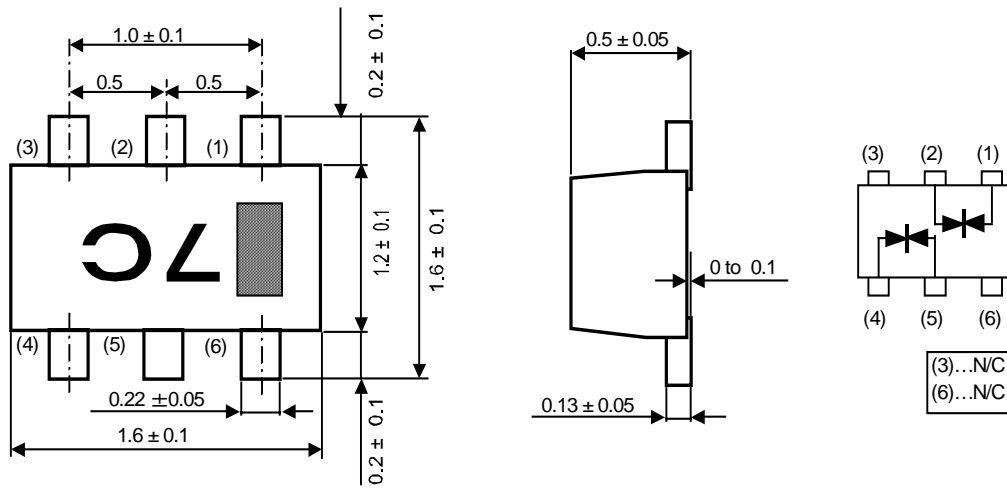
| Characteristic | Symbol | Test Condition | Standard | |
|----------------------|--------|--------------------|----------|--------|
| | | | MIN. | MAX. |
| Zener Voltage | Vz | Iz= 5 mA | 9.6 V | 14.4 V |
| Reverse current | IR | VR= 9 V | - | 0.1μA |
| Junction capacitance | Ct | f= 1MHz VR= 0 V | 1 pF | TYP. |

* Please pay attention to static electricity when handling.

* Zener voltage (Vz) shall be measured at 40ms after loading current.

Diodes

●External dimensions (Unit : mm)

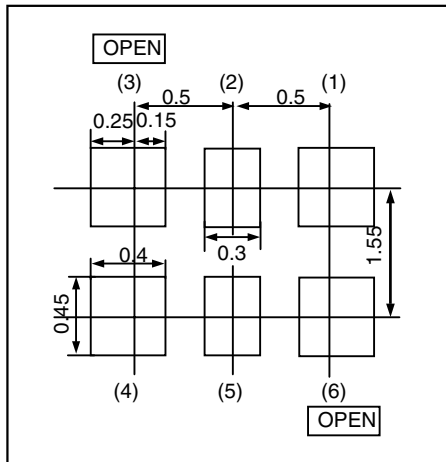


●Others

| Characteristic | IEC-61000-4-2 | |
|-----------------------|------------------------------|-----------|
| Equipment Composition | Charge discharge Capacitance | : 150 pF |
| | Discharge resistance | : 330Ω |
| Criterion | Repeat by 10 times | |
| | No erroneous operation | |
| | Contact | : ± 8 kV |
| | In air | : ± 15 kV |

Diodes

●Recommended mounting pad layout sizes



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