

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)

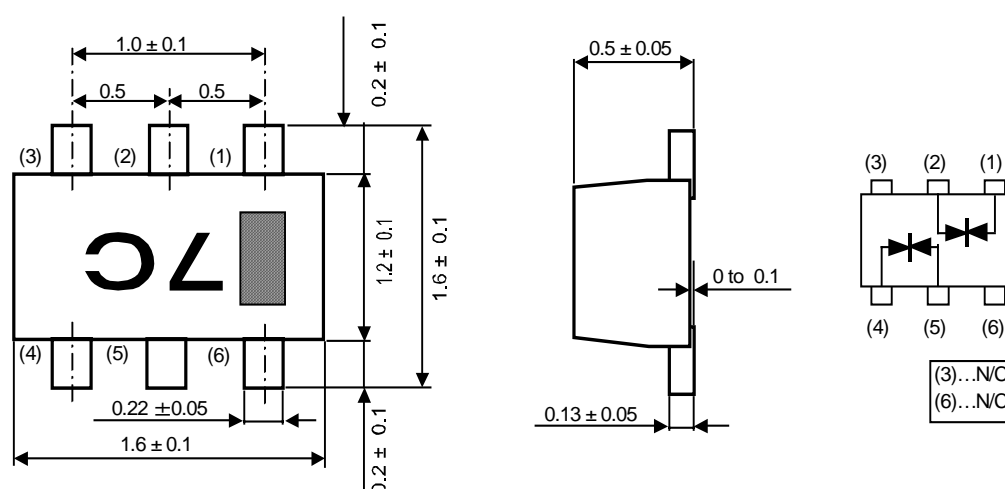
Characteristic	Symbol	Test Condition	Standard	
			MIN.	MAX.
Zener Voltage	Vz	Iz= 5 mA	9.6 V	14.4 V
Reverse current	IR	VR= 9 V	-	0.1μA
Junction capacitance	Ct	f= 1MHz VR= 0 V	1 pF	TYP.

* Please pay attention to static electricity when handling.

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

Diodes

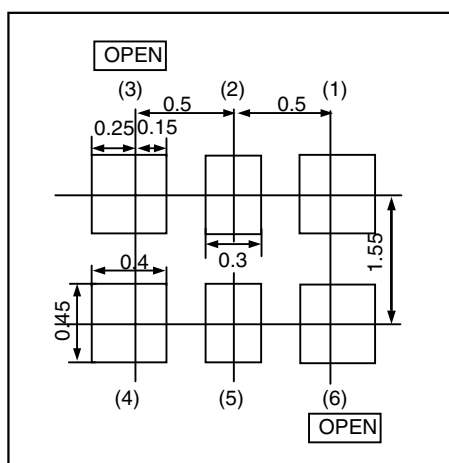
●External dimensions (Unit : mm)



●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	: $\pm 8 \text{ kV}$
	In air	: $\pm 15 \text{ kV}$

●Recommended mounting pad layout sizes



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