

# Low Capacitance Protection Device

## RSB12JS2

●Applications

ESD Protection

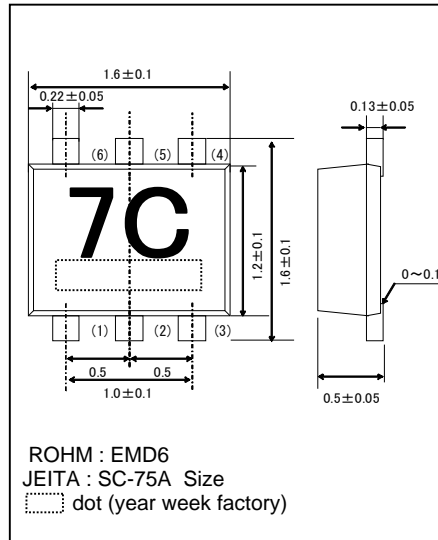
●Features

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

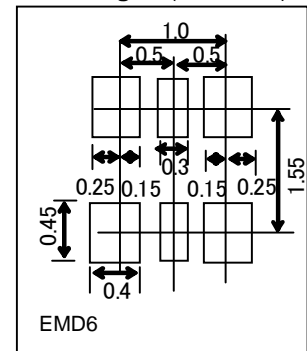
●Construction

Silicon Epitaxial Planar

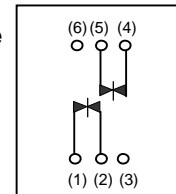
●Dimensions (Unit : mm)



●Land size figure(Unit : mm)

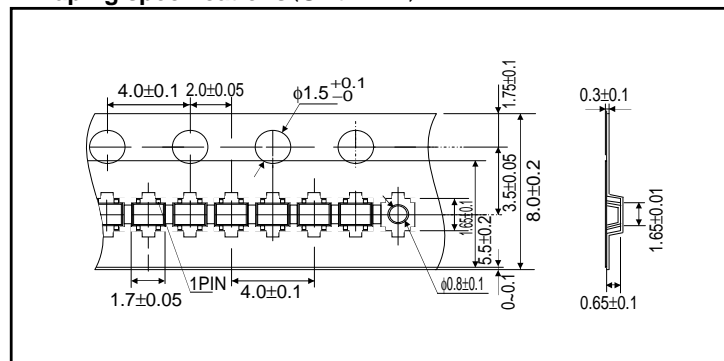


●Structure



\*Please make 3 and 6 Pin open in circuit upon use.

●Taping specifications (Unit : mm)



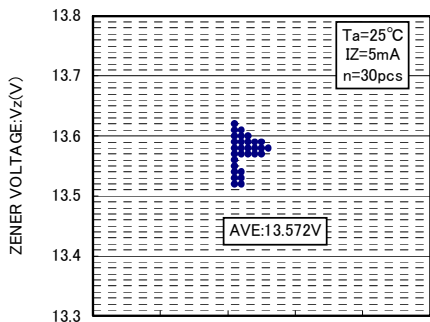
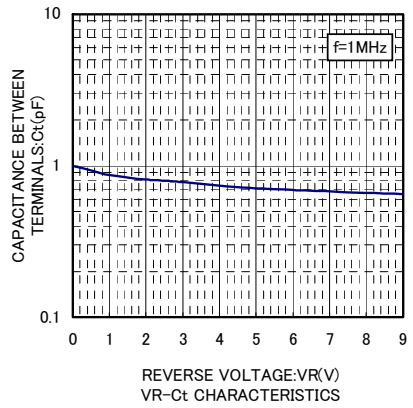
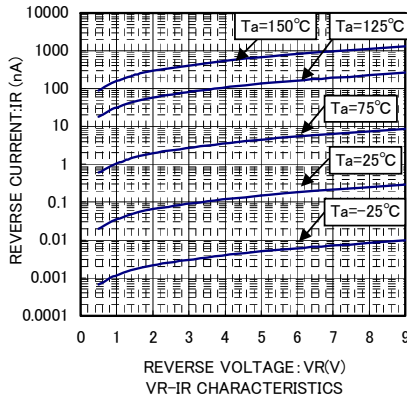
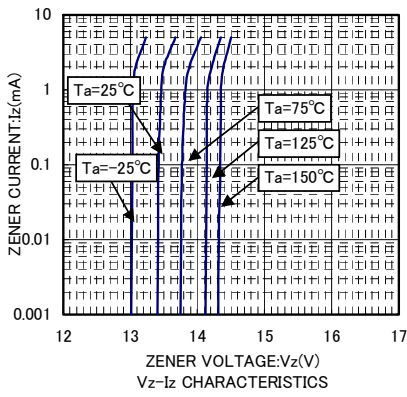
●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P	150	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

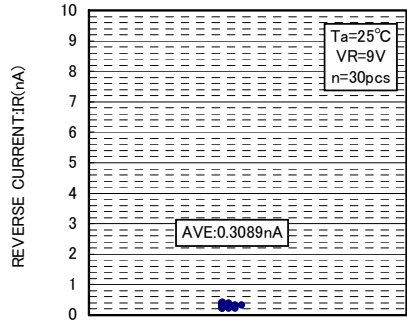
●Electrical characteristic (Ta=25°C) (\* Rating of per diode)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V <sub>Z</sub>	9.6	-	14.4	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	0.10	μA	V <sub>R</sub> =9V
Capacitance between terminals	C <sub>t</sub>	-	1	-	pF	f=1MHz, V <sub>R</sub> =0V

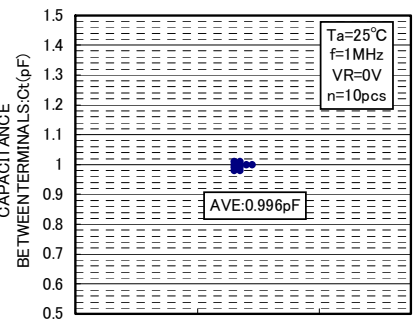
●Electrical characteristics curve



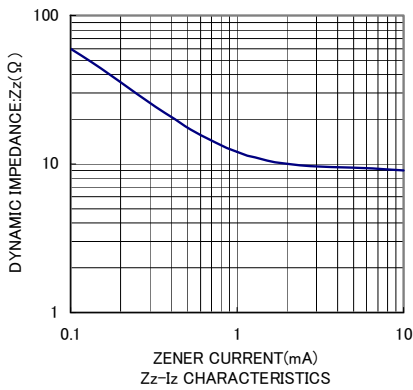
V<sub>z</sub> DISREION MAP



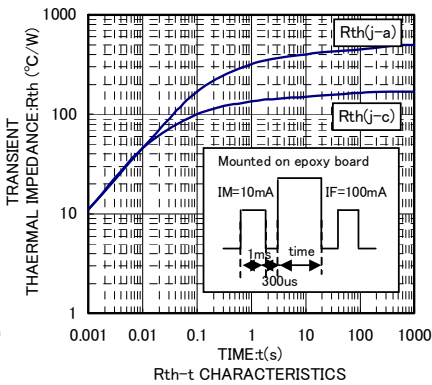
I<sub>R</sub> DISREION MAP



C<sub>t</sub> DISREION MAP



Z<sub>z</sub>-I<sub>z</sub> CHARACTERISTICS



R<sub>th</sub>-t CHARACTERISTICS

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