

Bi direction ESD Protection Diode

RSB6.8ZS

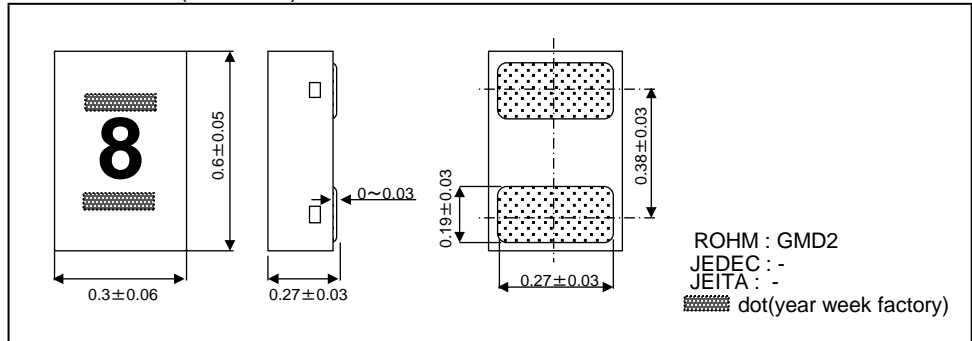
●Applications

ESD Protection

●Features

- 1) Ultra small mold type.(GMD2)
- 2) Bi-directionality.
- 3) High reliability.
- 4) By chip-mounter, automatic mounting is possible.

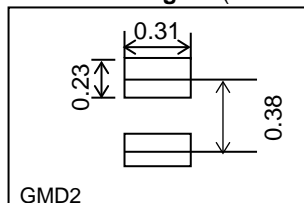
●Dimensions (Unit : mm)



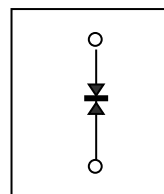
●Constructions

Silicon epitaxial planer

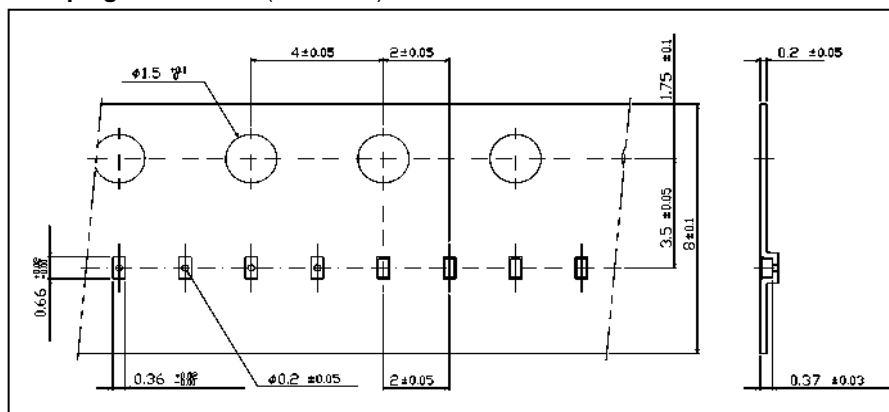
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)

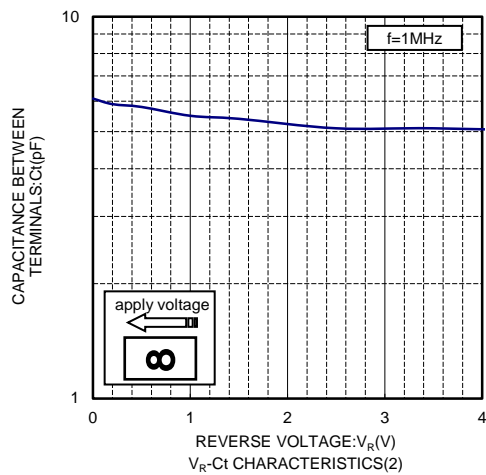
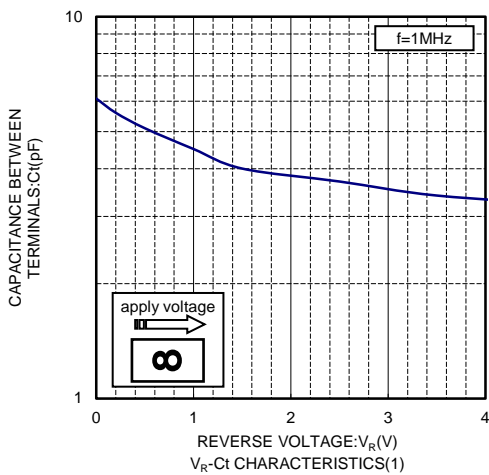
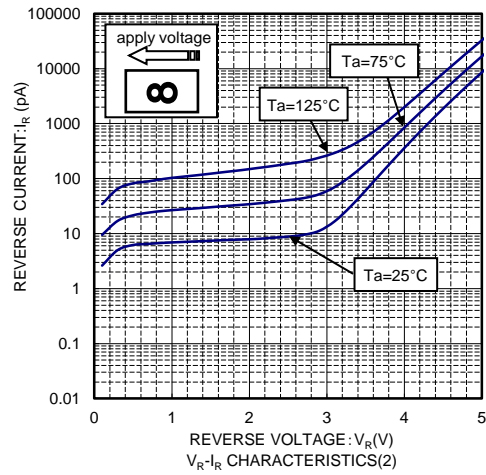
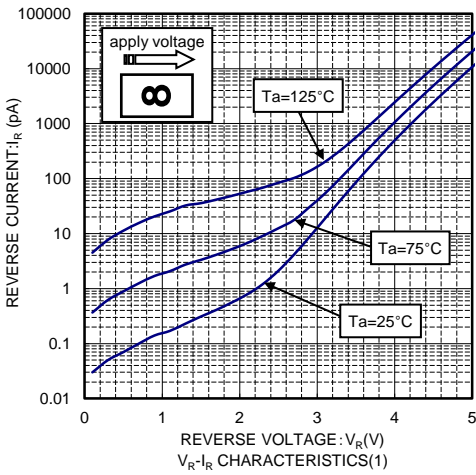
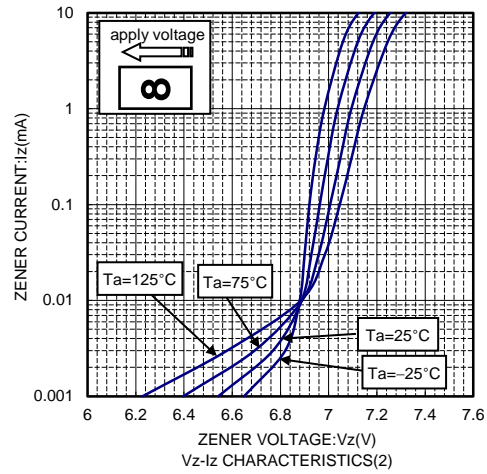
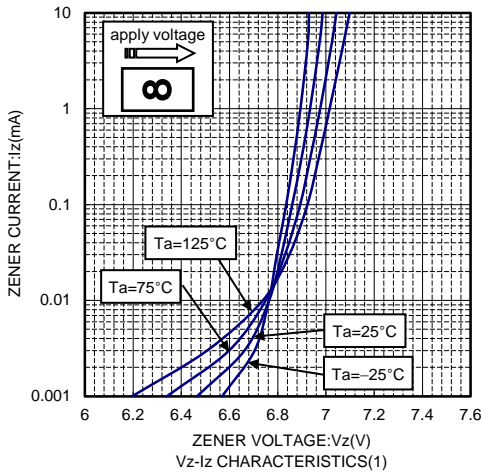


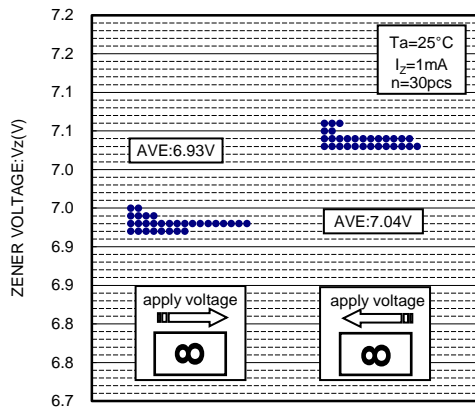
●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P	100	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C
Operation temperature range	Topor	-55 to +150	°C

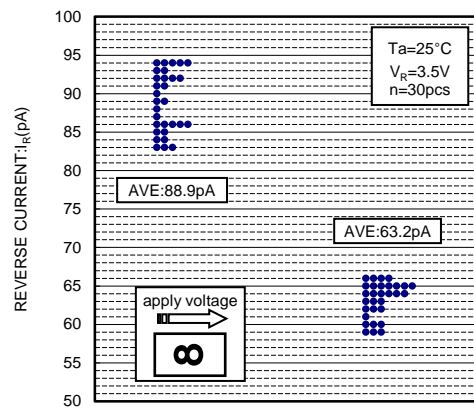
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _z	5.78	-	7.82	V	I _z =1mA
Reverse current	I _R	-	-	0.5	μA	V _R =3.5V

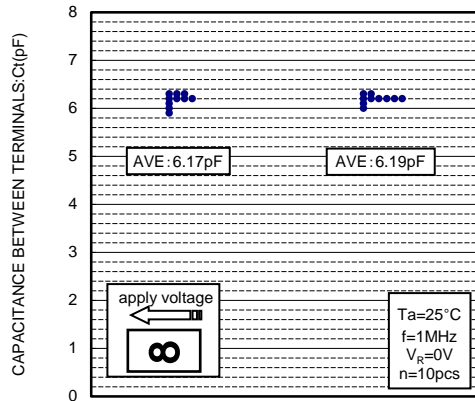




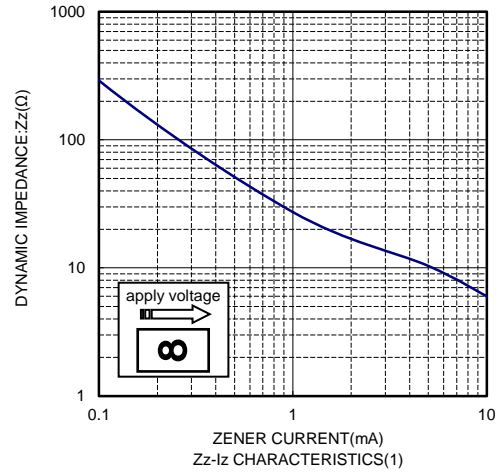
V_z DISPERSION MAP



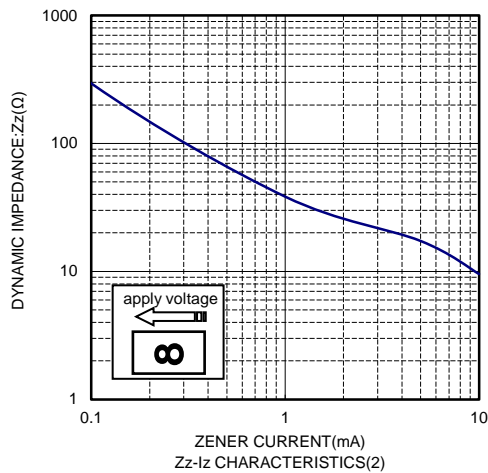
I_R DISPERSION MAP



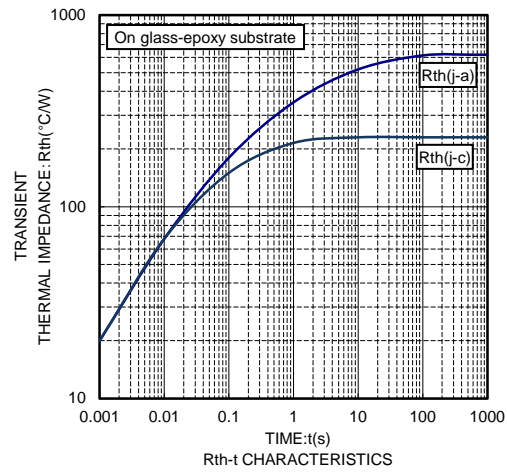
C_t DISPERSION MAP



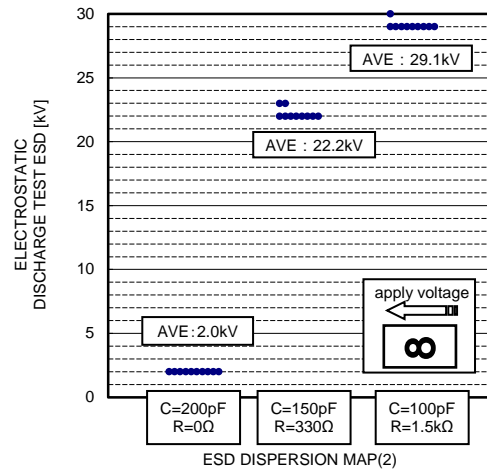
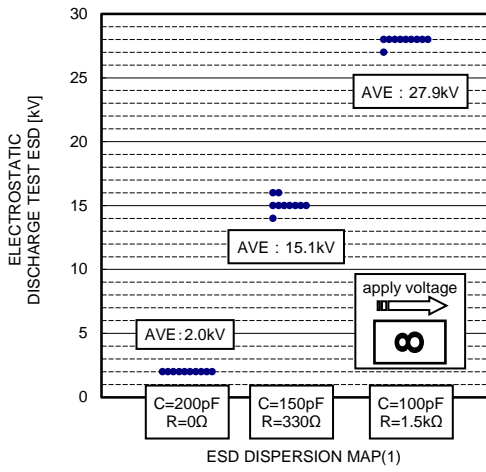
Z_z-I_z CHARACTERISTICS(1)



Z_z-I_z CHARACTERISTICS(2)



R_{th}-t CHARACTERISTICS



Notes

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