Bi direction ESD Protection Diode

RSB6.8ZS

●Applications

ESD Protection

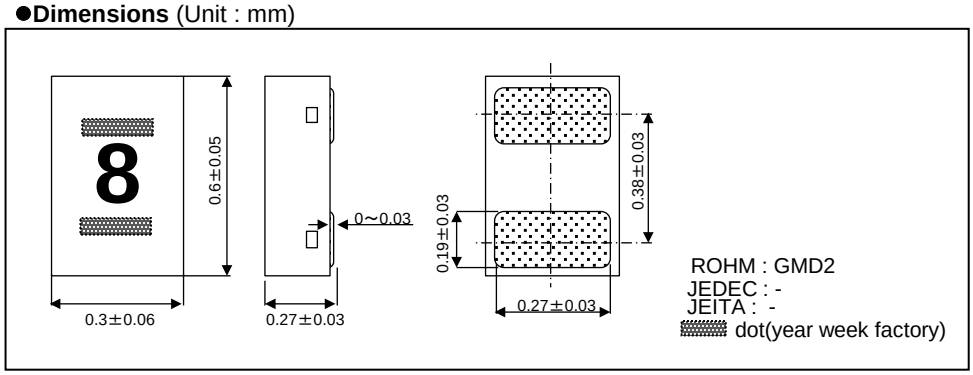
●Features

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

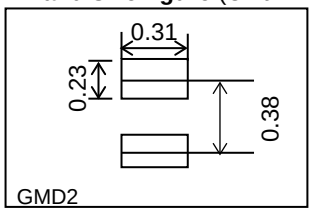
●Constructions

Silicon epitaxial planer

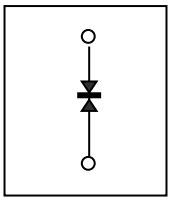
●Dimensions (Unit : mm)



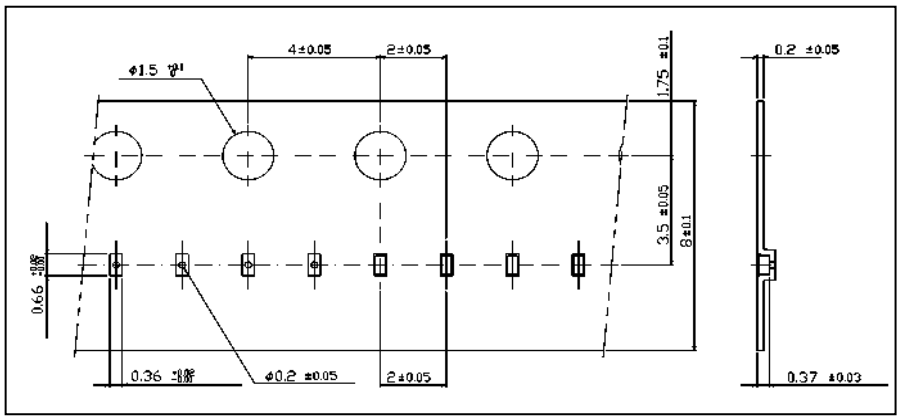
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)

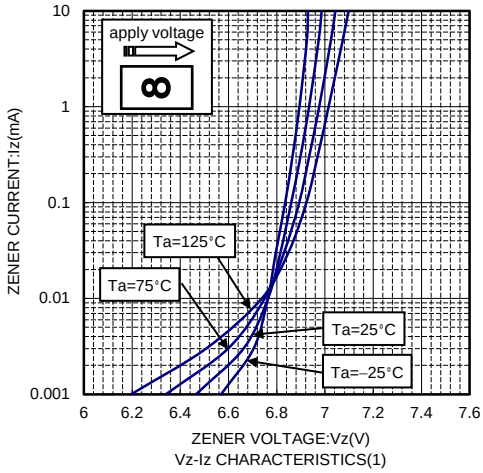


●Absolute maximum ratings (Ta=25°C)

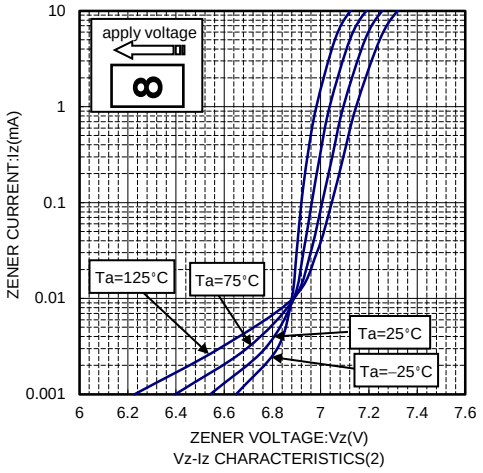
Parameter	Symbol	Limits	Unit
Power dissipation	P	100	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to +150	°C
Operation temperature range	Topor	−55 to +150	°C

●Electrical characteristics (Ta=25°C)

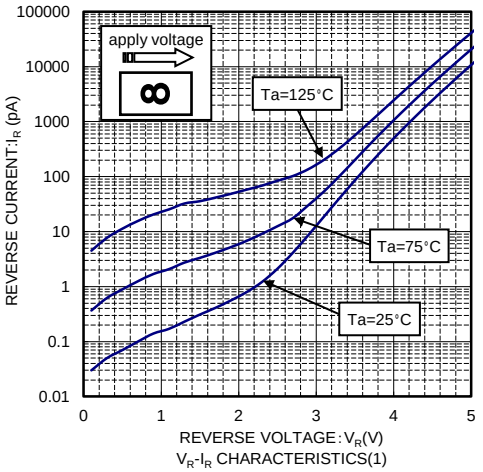
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V_z	5.78	-	7.82	V	I_Z=1mA
Reverse current	I_R	-	-	0.5	μA	V_R=3.5V



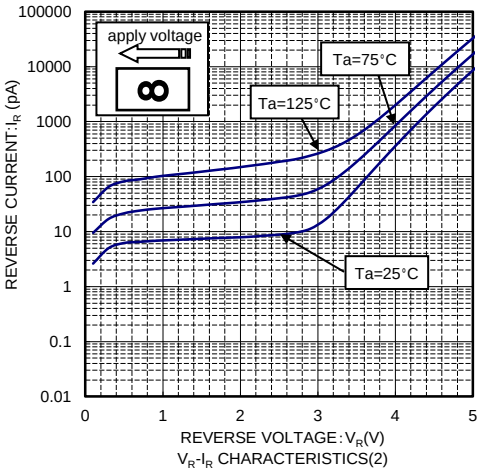
Vz-Iz CHARACTERISTICS(1)



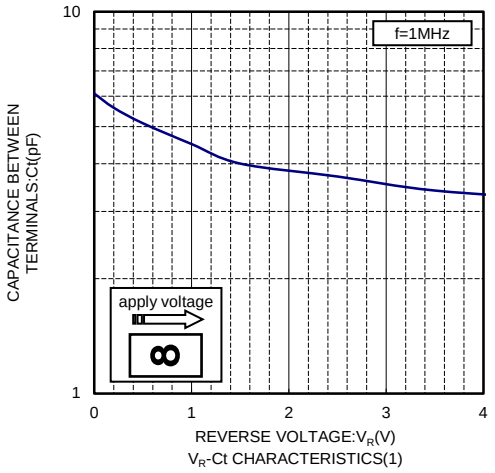
Vz-Iz CHARACTERISTICS(2)



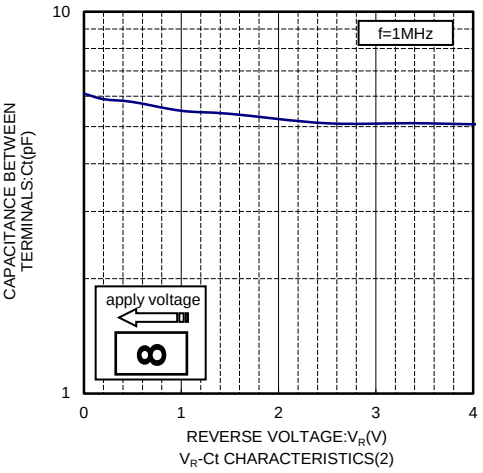
V_R-I_R CHARACTERISTICS(1)



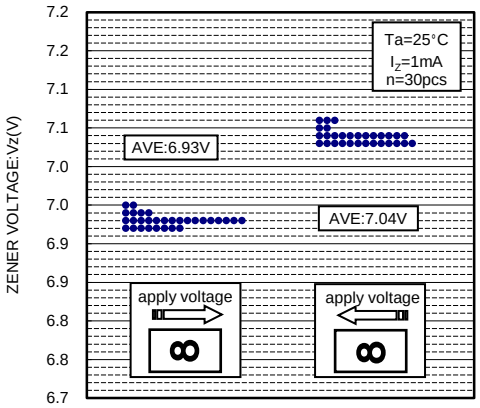
V_R-I_R CHARACTERISTICS(2)



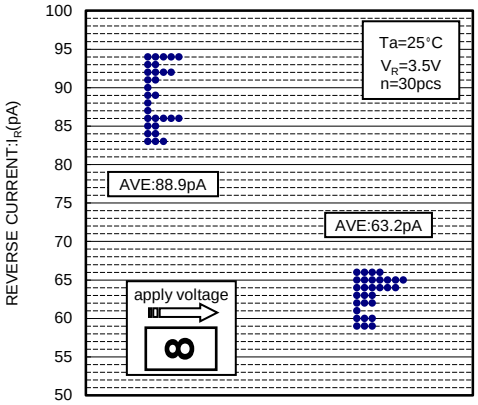
V_R-Ct CHARACTERISTICS(1)



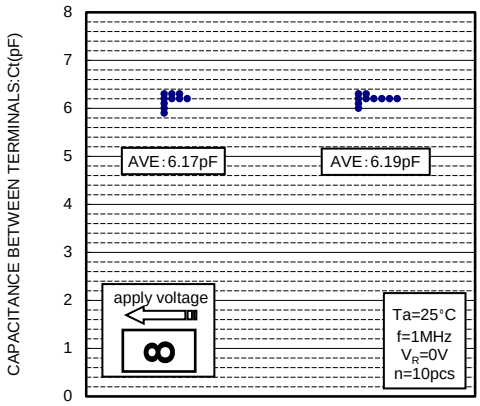
V_R-Ct CHARACTERISTICS(2)



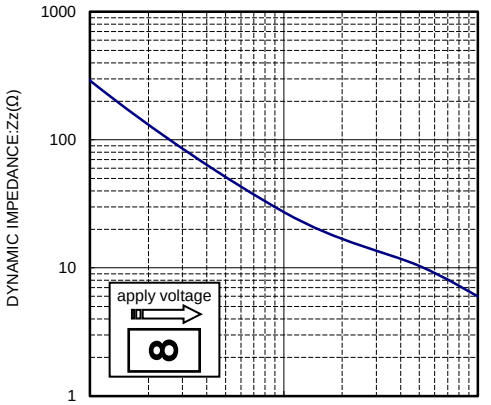
Vz DISPERSION MAP



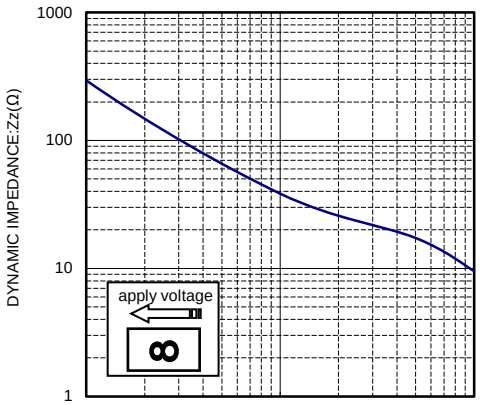
I_R DISPERSION MAP



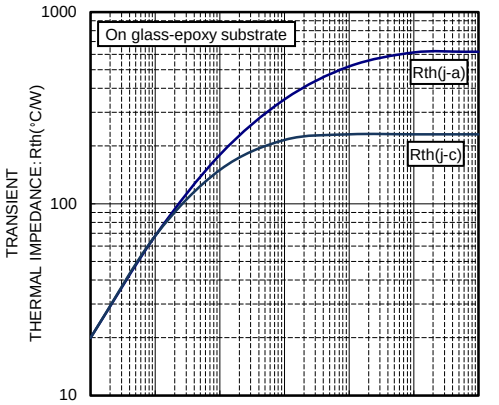
Ct DISPERSION MAP



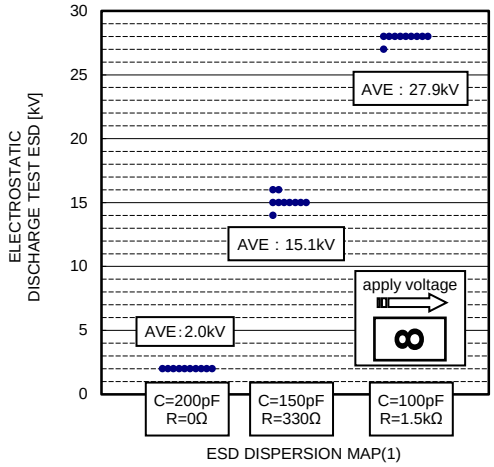
Zz-Iz CHARACTERISTICS(1)



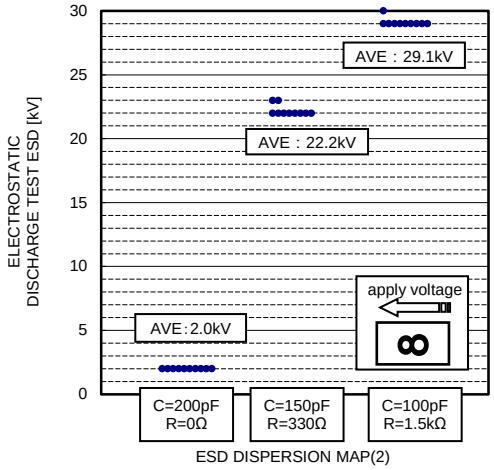
Zz-Iz CHARACTERISTICS(2)



Rth-t CHARACTERISTICS



ESD DISPERSION MAP(1)



ESD DISPERSION MAP(2)

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