

ESD Protection Diode

CDZC6.8B

●Applications

ESD Protection

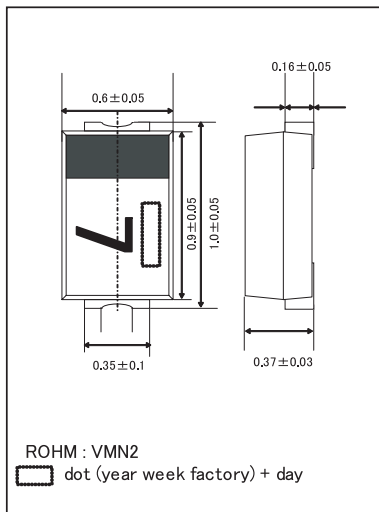
●Features

- 1) Ultra small mold type. (VMN2)
- 2) High reliability
- 3) Ultra low Capacitance

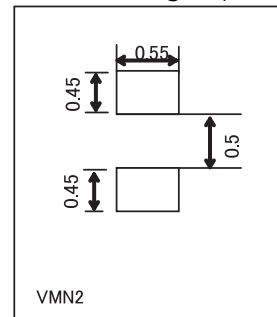
●Construction

Silicon epitaxial planar

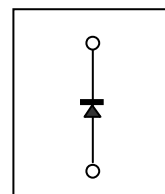
●Dimensions (Unit : mm)



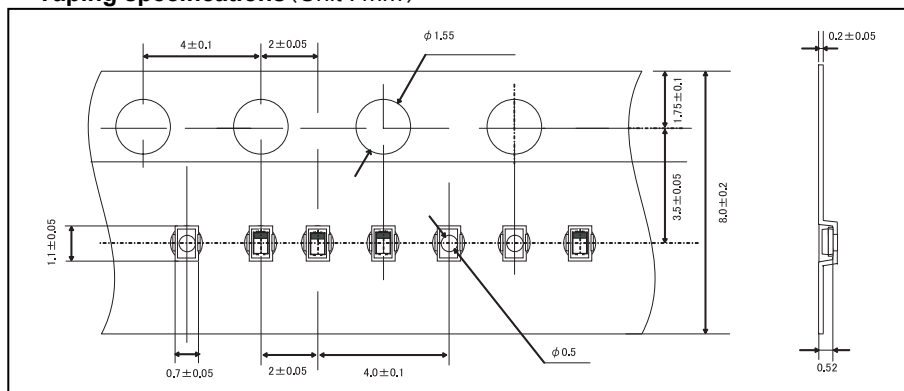
●Land size figure(Unit : mm)



●Structure



●Taping specifications (Unit : mm)



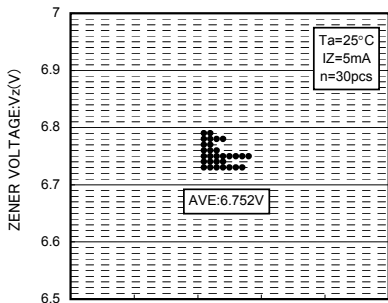
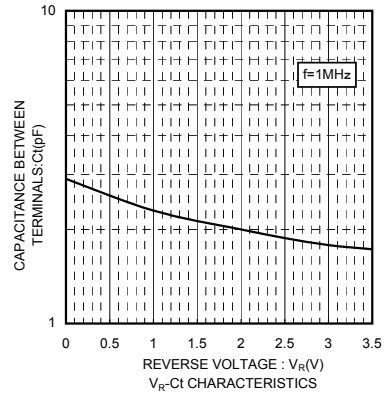
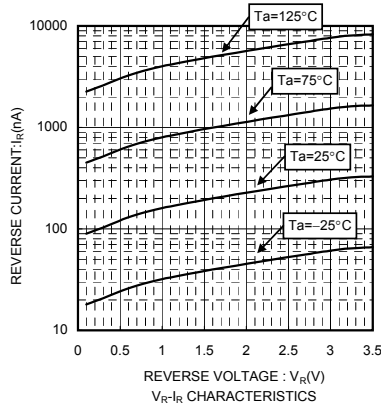
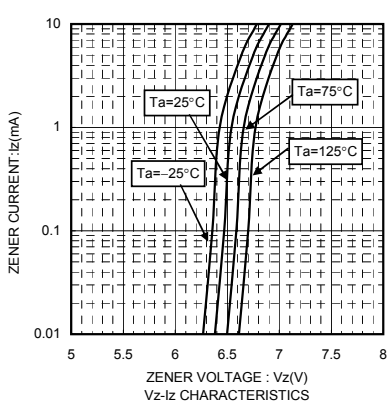
●Absolute maximum ratings (Ta=25°C)

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

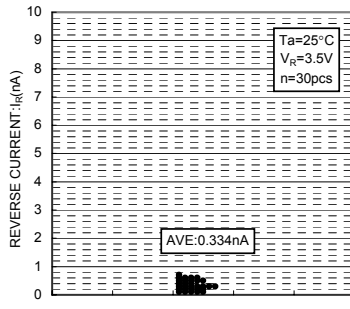
●Electical voltage (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.65	-	6.93	V	I _Z =5mA
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V
Capacitance between terminals	C _t	-	3	-	pF	V _R =0V, f=1MHz

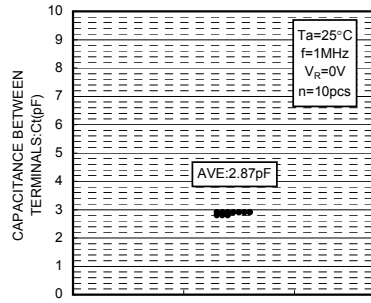
●Electrical characteristic curves



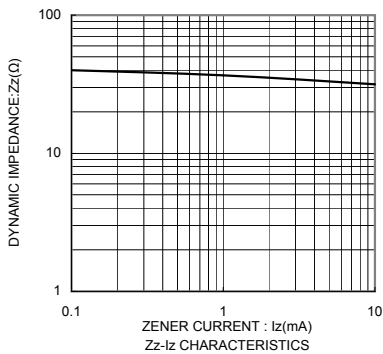
V_Z DISPERSION MAP



I_R DISPERSION MAP



C_t DISPERSION MAP



Z_Z - I_Z CHARACTERISTICS

Notes

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