

# ESD Protection Diode

## VMZT6.8N

● **Applications**

ESD Protection

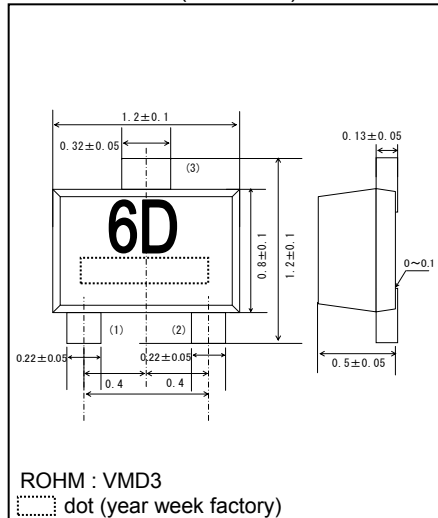
● **Features**

- 1) Ultra small mold type. (VMD3)
- 2) Low capacitance

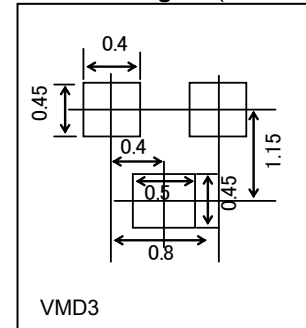
● **Construction**

Silicon epitaxial planer

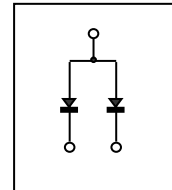
● **Dimensions (Unit : mm)**



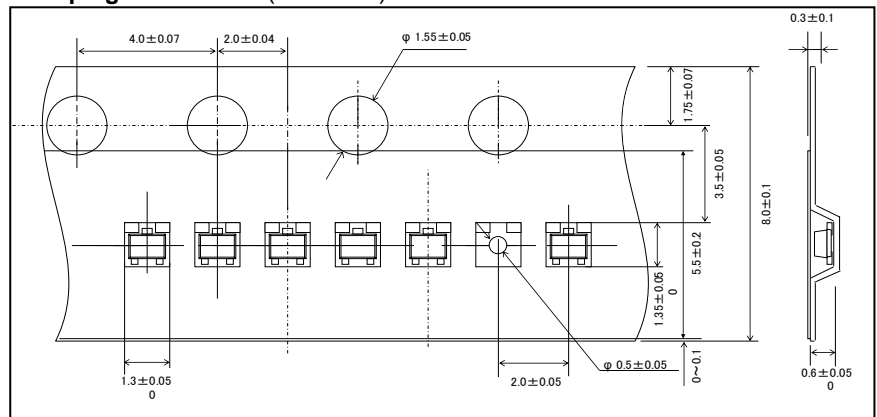
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**



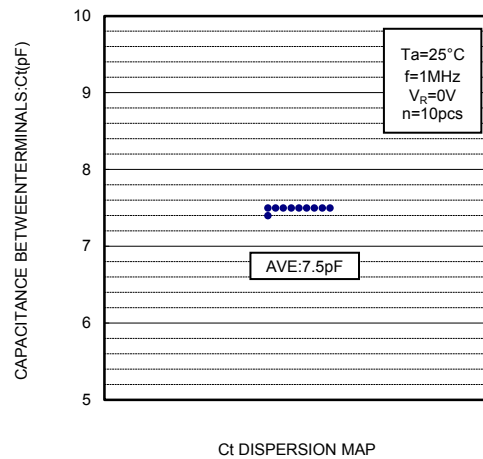
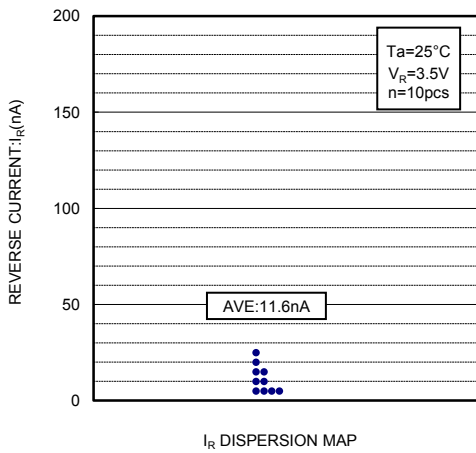
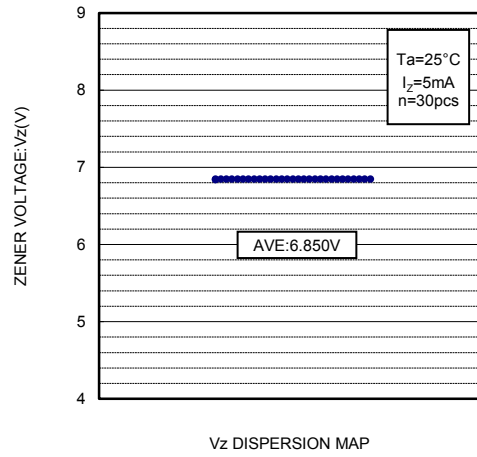
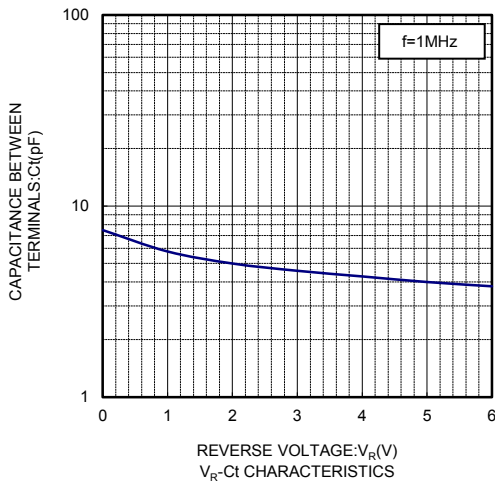
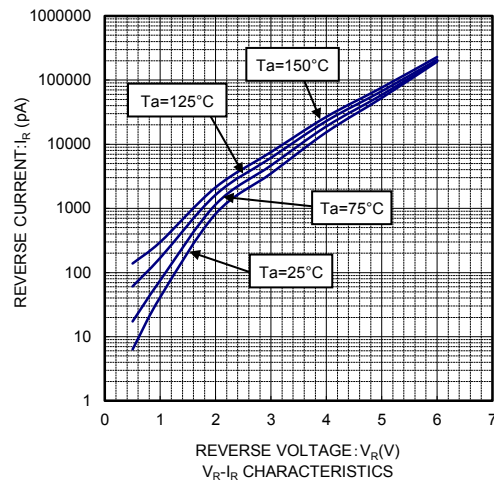
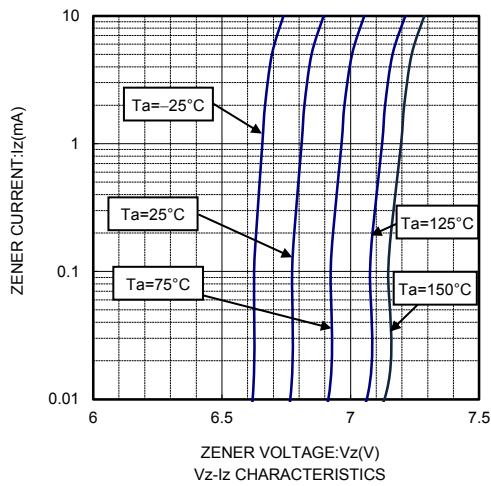
● **Absolute maximum ratings (Ta=25°C)**

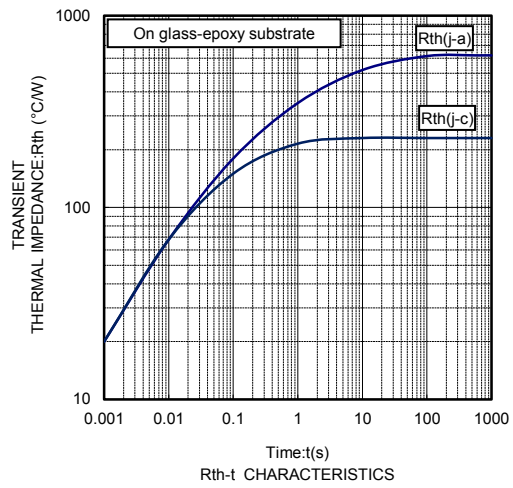
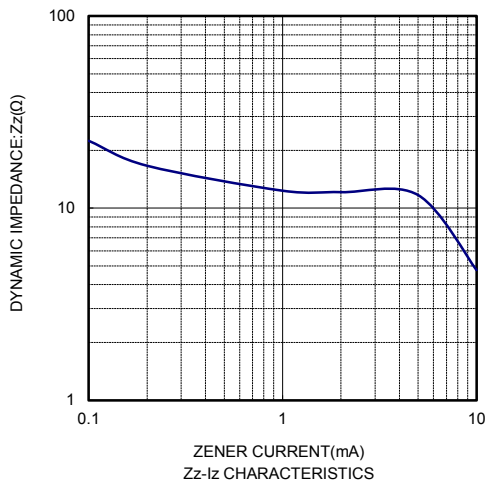
Parameter	Symbol	Limits	Unit
Power dissipation	P	150	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

● **Electrical characteristics (Ta=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V <sub>Z</sub>	6.47	-	7.14	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	0.5	μA	V <sub>R</sub> =3.5V
Capacitance between terminals	C <sub>t</sub>	-	7.0	-	pF	V <sub>R</sub> =0V, f=1MHz

\* Zener voltage (V<sub>Z</sub>) shall be measured at 40ms after loading current. Rating of per diode





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