Zener diode

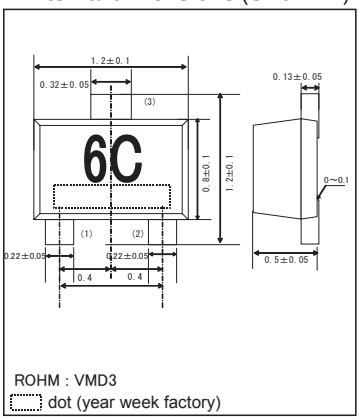
VMZ6.8N

●**Applications**
Constant voltage control.

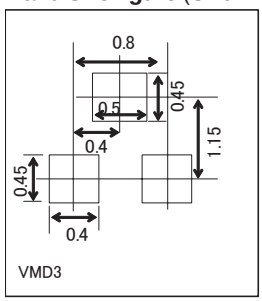
●**Features**
1) Ultra small mold type. (VMD3)
2) High reliability.

●**Construction**
Silicon epitaxial planar.

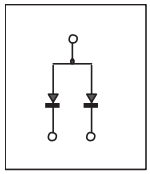
●**External dimensions** (Unit : mm)



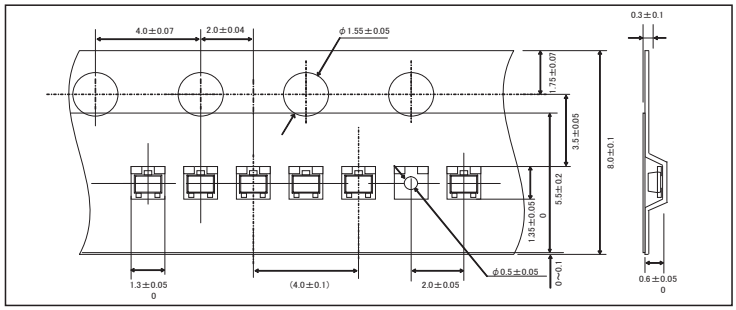
●**Land size figure** (Unit : mm)



●**Structure**



●**Taping specifications** (Unit : mm)



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

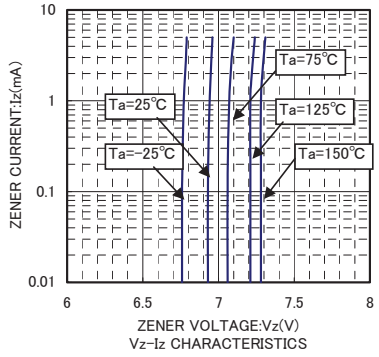
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	150	mW
Junction temperature	Tj	150	℃
Storage temperature	Tstg	-55 to +150	℃

(*1) Total of 2 elements

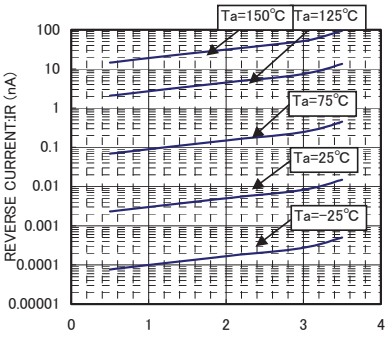
●**Electrical characteristics** (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V_Z	6.47	-	7.14	V	I_Z=5mA
Reverse current	I_R	-	-	0.50	μA	V_R=3.5V

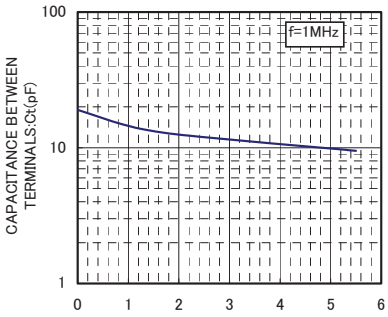
●**Electrical characteristic curves** (Ta=25°C)



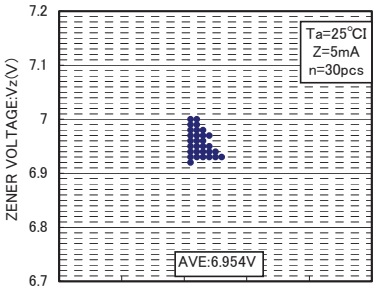
Vz–Iz CHARACTERISTICS



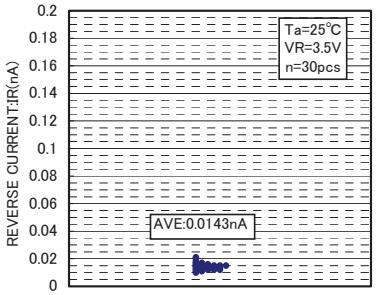
VR–IR CHARACTERISTICS



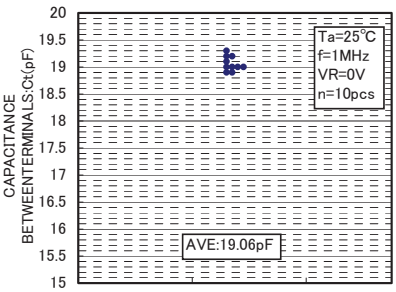
VR–Ct CHARACTERISTICS



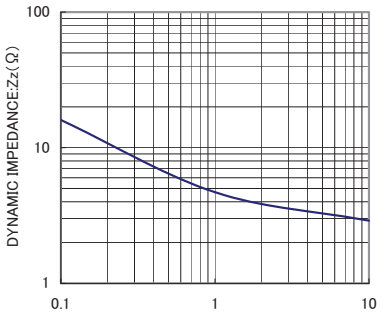
Vz DISRESION MAP



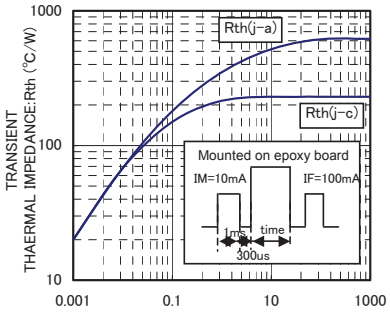
IR DISRESION MAP



Ct DISRESION MAP



Zz–Iz CHARACTERISTICS



Rth–t CHARACTERISTICS

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