Zener diode

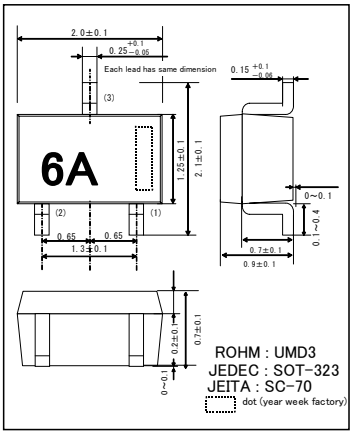
UMZ8.2N

●**Application**
Voltage regulation
(Anode common twin type)

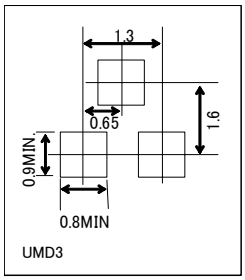
●**Features**
1) Small mold type. (UMD3)
2) High reliability.

●**Structure**
Silicon epitaxial planer

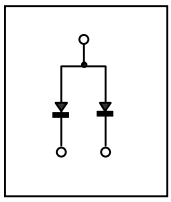
●**External dimensions** (Unit : mm)



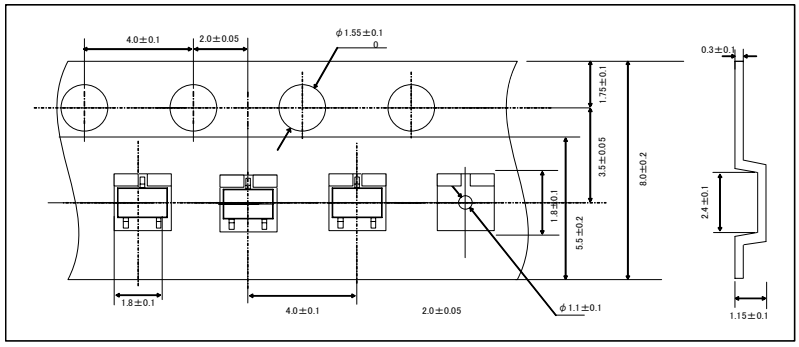
●**Lead size figure** (Unit : mm)



●**Structure**



●**Taping dimensions** (Unit : mm)



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

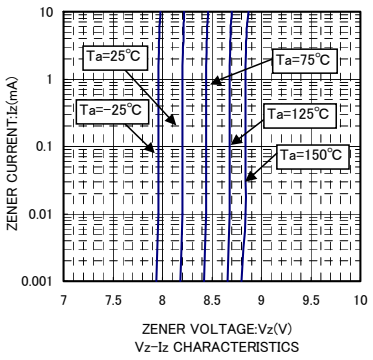
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	200	mW
Junction temperature	Tj	150	℃
Storage temperature	Tstg	-55 to +150	℃

(*1)Total of 2 elements

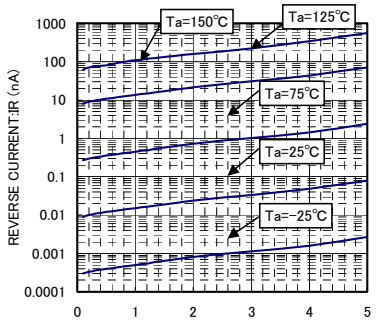
●**Electrical characteristics** (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V_Z	7.76	-	8.64	V	I_Z=5mA
Reverse current	I_R	-	-	0.50	μA	V_R=5V
Dynamic impedance	Z_Z	-	-	30	Ω	I_Z=5mA
Rising operating resistance	Z_{Zk}	-	-	60	Ω	I_Z=0.5mA

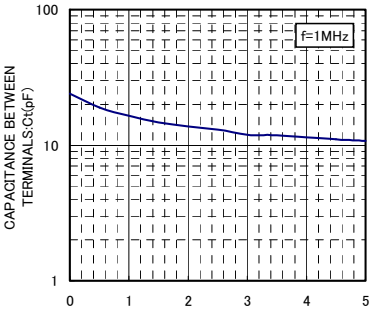
●**Electrical characteristic curves** (Ta=25°C)



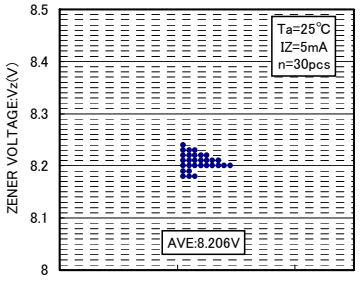
Vz-Iz CHARACTERISTICS



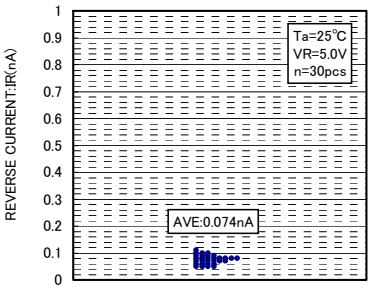
VR-IR CHARACTERISTICS



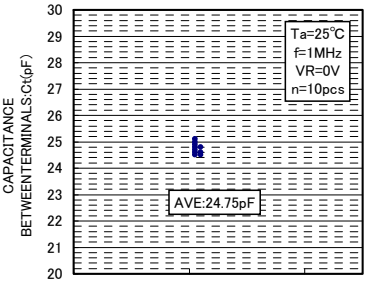
VR-Ct CHARACTERISTICS



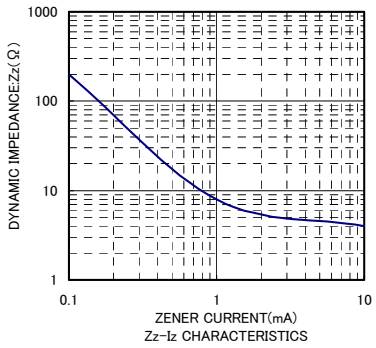
Vz DISRESION MAP



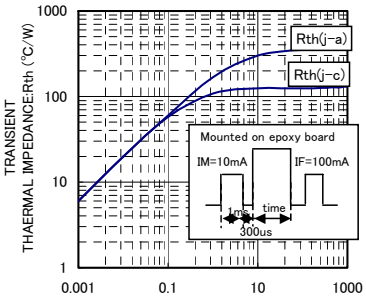
IR DISRESION MAP



Ct DISRESION MAP



Zz-Iz CHARACTERISTICS



Rth-t CHARACTERISTICS

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