

# Zener diode

## EMZ6.8N

● **Applications**

Voltage regulation  
(Common anode dual chips)

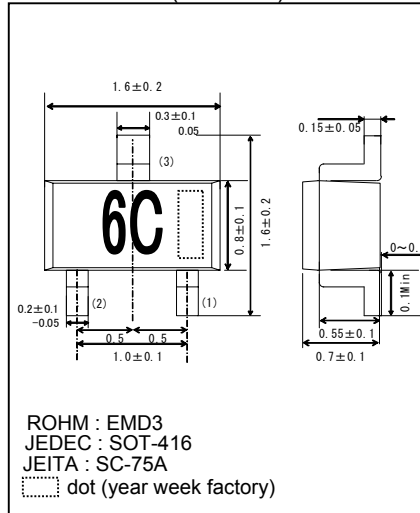
● **Features**

- 1) Ultra small mold type. (EMD3)
- 2) High reliability.

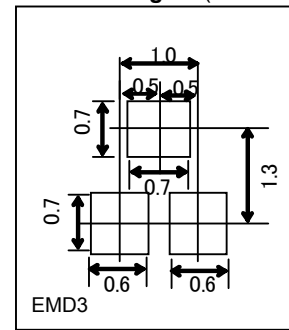
● **Construction**

Silicon epitaxial planar

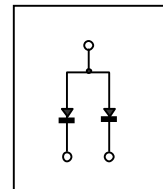
● **Dimensions (Unit : mm)**



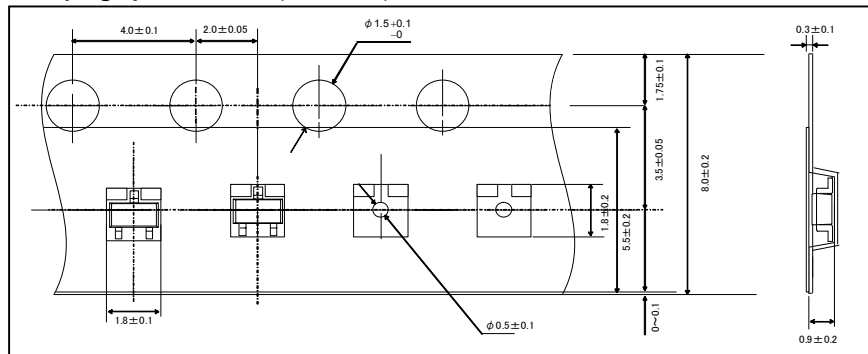
● **Land size figure (Unit : mm)**



● **Structure**



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



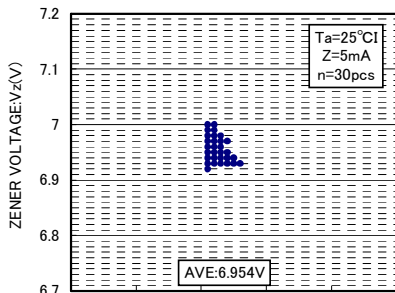
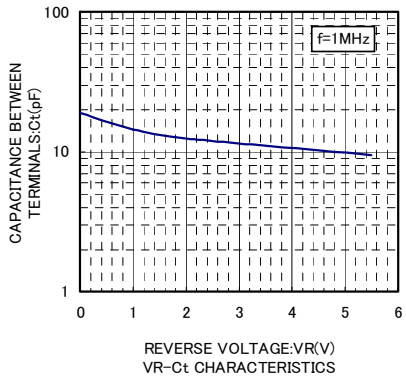
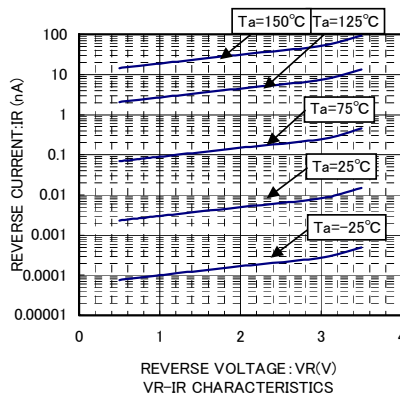
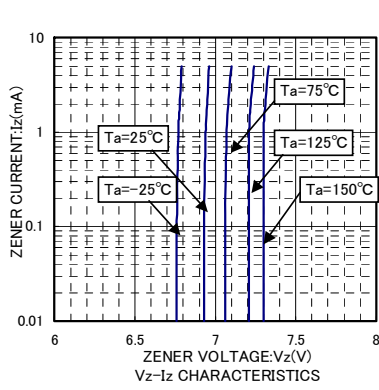
● **Absolute maximum ratings (Ta=25°C)**

Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	150	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

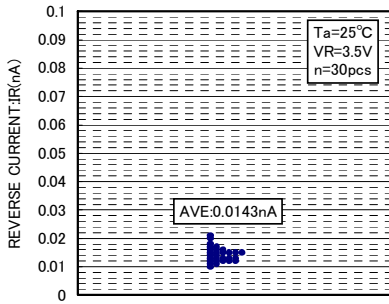
(\*1) Total of 2 elements

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

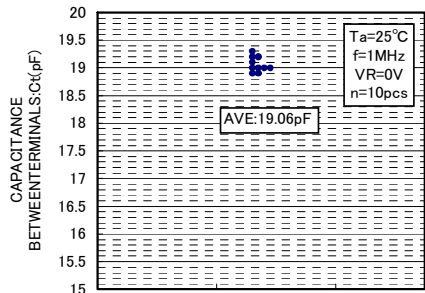
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V <sub>Z</sub>	6.47	-	7.14	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	0.50	μA	V <sub>R</sub> =3.5V
Dynamic impedance	Z <sub>Z</sub>	-	-	40	Ω	I <sub>Z</sub> =5mA



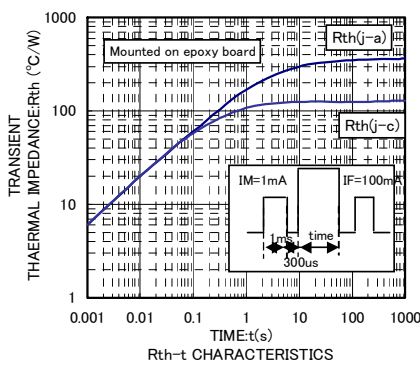
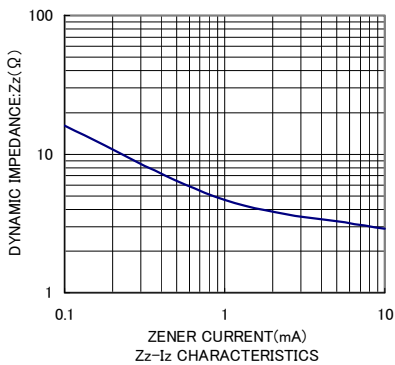
V<sub>z</sub> DISRESION MAP



I<sub>R</sub> DISRESION MAP



C<sub>t</sub> DISRESION MAP



R<sub>th</sub>-t CHARACTERISTICS

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