

Zener diode

EMZ6.8N

●Applications

Voltage regulation
(Common anode dual chips)

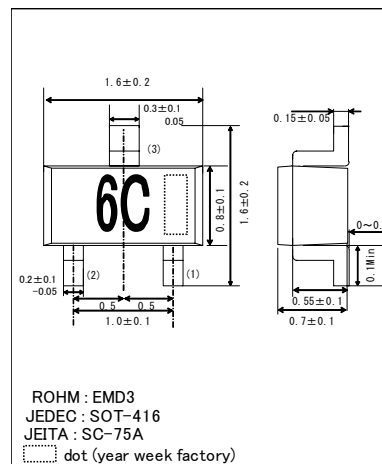
●Features

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

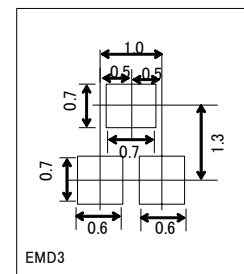
●Construction

Silicon epitaxial planar

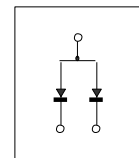
●External dimensions (Unit : mm)



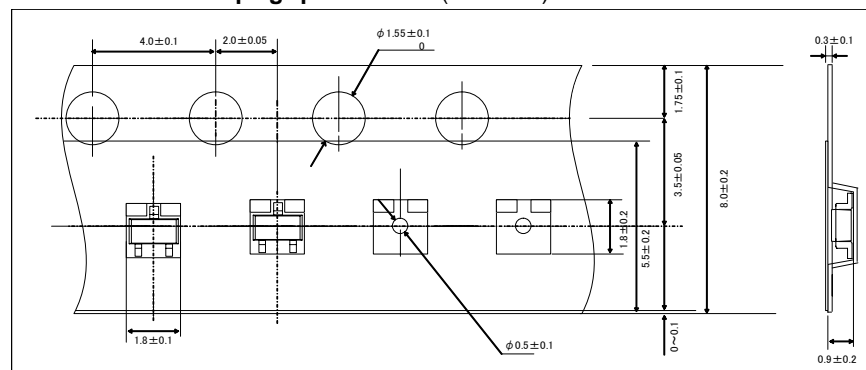
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

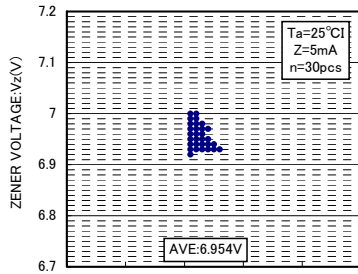
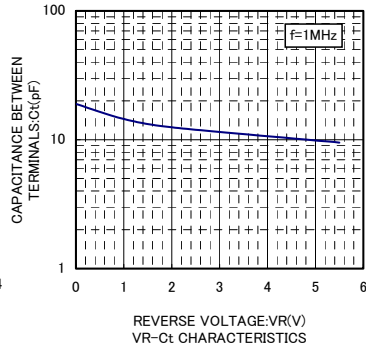
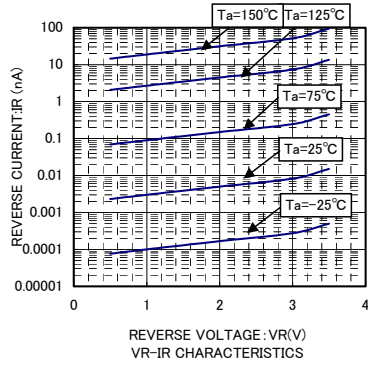
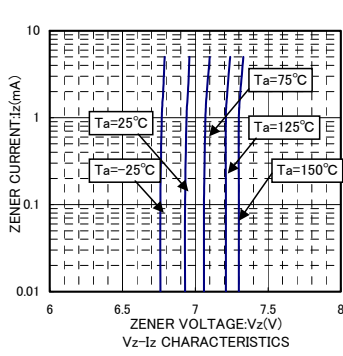
(*1) Total of 2 elements

●Electrical characteristics (Ta=25°C)

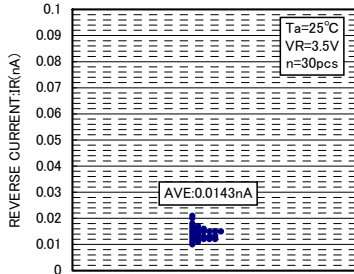
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.47	-	7.14	V	I _Z =5mA
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V
Dynamic impedance	Z _Z	-	-	40	Ω	I _Z =5mA

Diodes

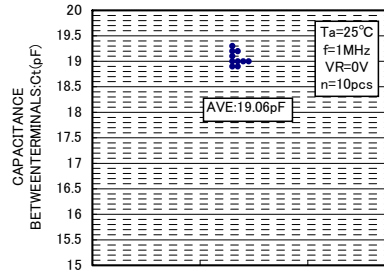
●Electrical characteristic curves (Ta=25°C)



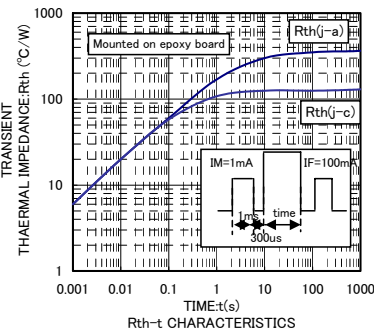
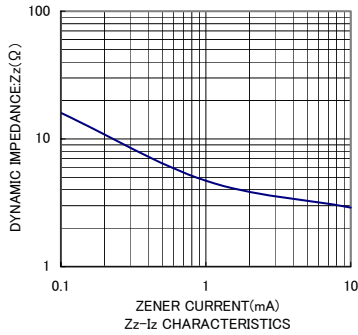
Vz DISRESION MAP



IR DISRESION MAP



Ct DISRESION MAP



Rth-t CHARACTERISTICS

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