

Zener diode

FTZ6.8E

●Applications

Voltage regulation
(Anode common twin type)

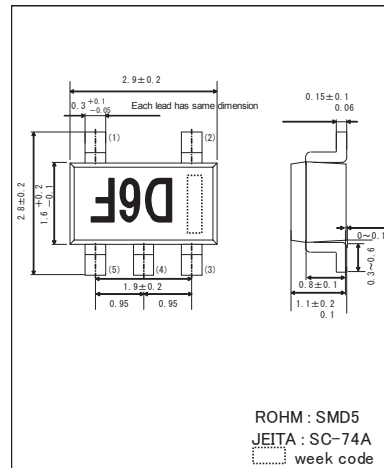
●Features

- 1) Small mold type. (SMD5)
- 2) High reliability.

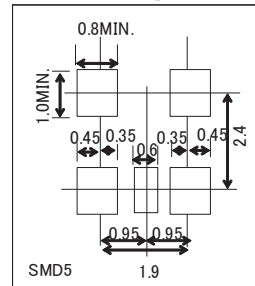
●Construction

Silicon epitaxial planar

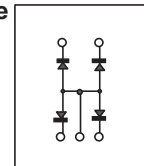
●External dimensions (Unit : mm)



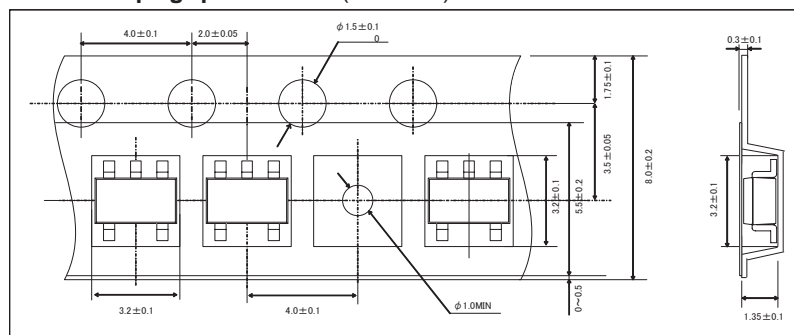
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

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

(※) Total of 4 elements

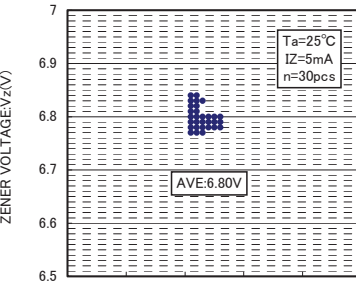
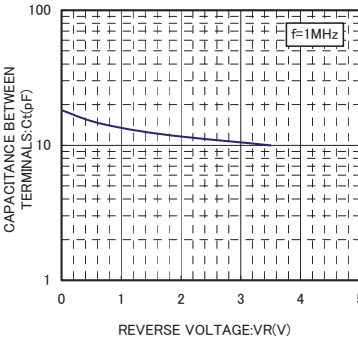
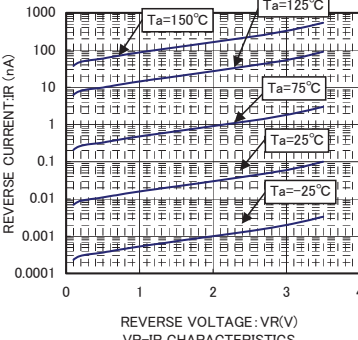
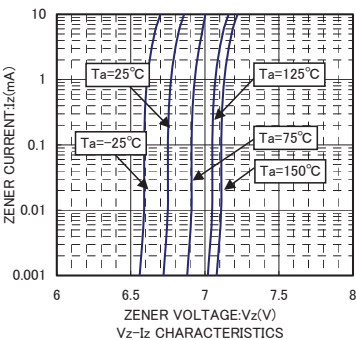
●Electrical characteristics (Ta=25°C) (* Per chip)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.47	-	7.14	V	I _Z =5mA
Reverse current	I _R	-	-	0.5	μA	V _R =3.5V
Operating resistance	Z _Z	-	-	40	Ω	I _Z =5mA
Rising operating resistance	Z _{Zk}	-	-	60	Ω	I _Z =0.5mA

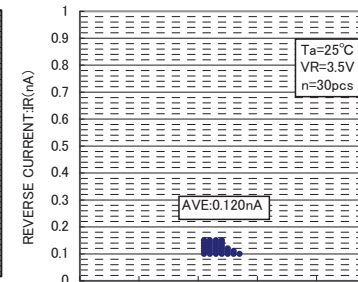
※Zener voltage is measured with 40msec current supply.

Diodes

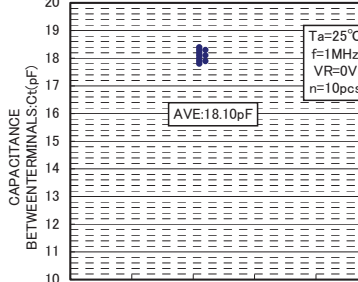
●Electrical characteristic curves (Ta=25°C)



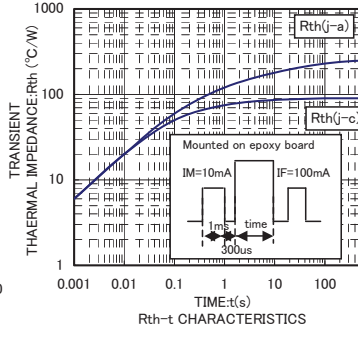
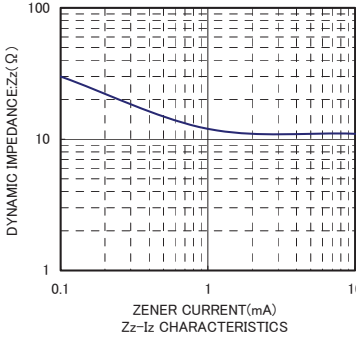
V_z DISRESION MAP



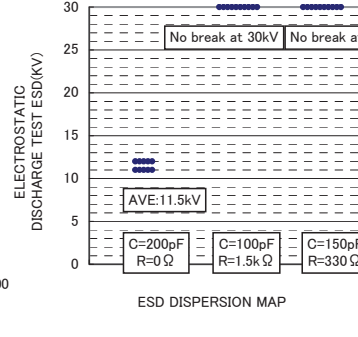
I_R DISRESION MAP



C_t DISRESION MAP



R_{th}-t CHARACTERISTICS



ESD DISPERSION MAP

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