

Zener diode

FTZ6.8E

●Applications

Voltage regulation
(Anode common twin type)

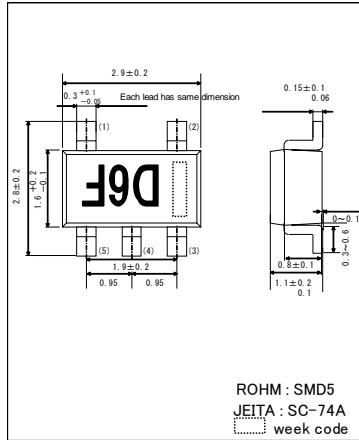
●Features

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

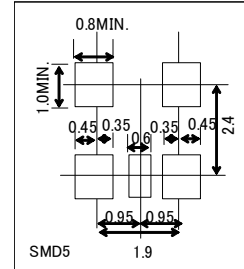
●Construction

Silicon epitaxial planar

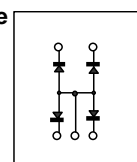
●External dimensions (Unit : mm)



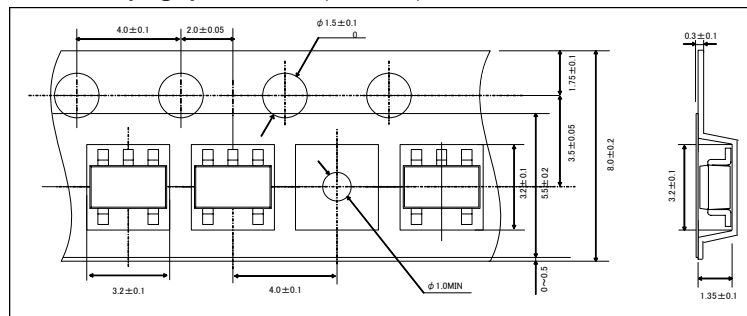
●Land size figure (Unit : mm)



●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

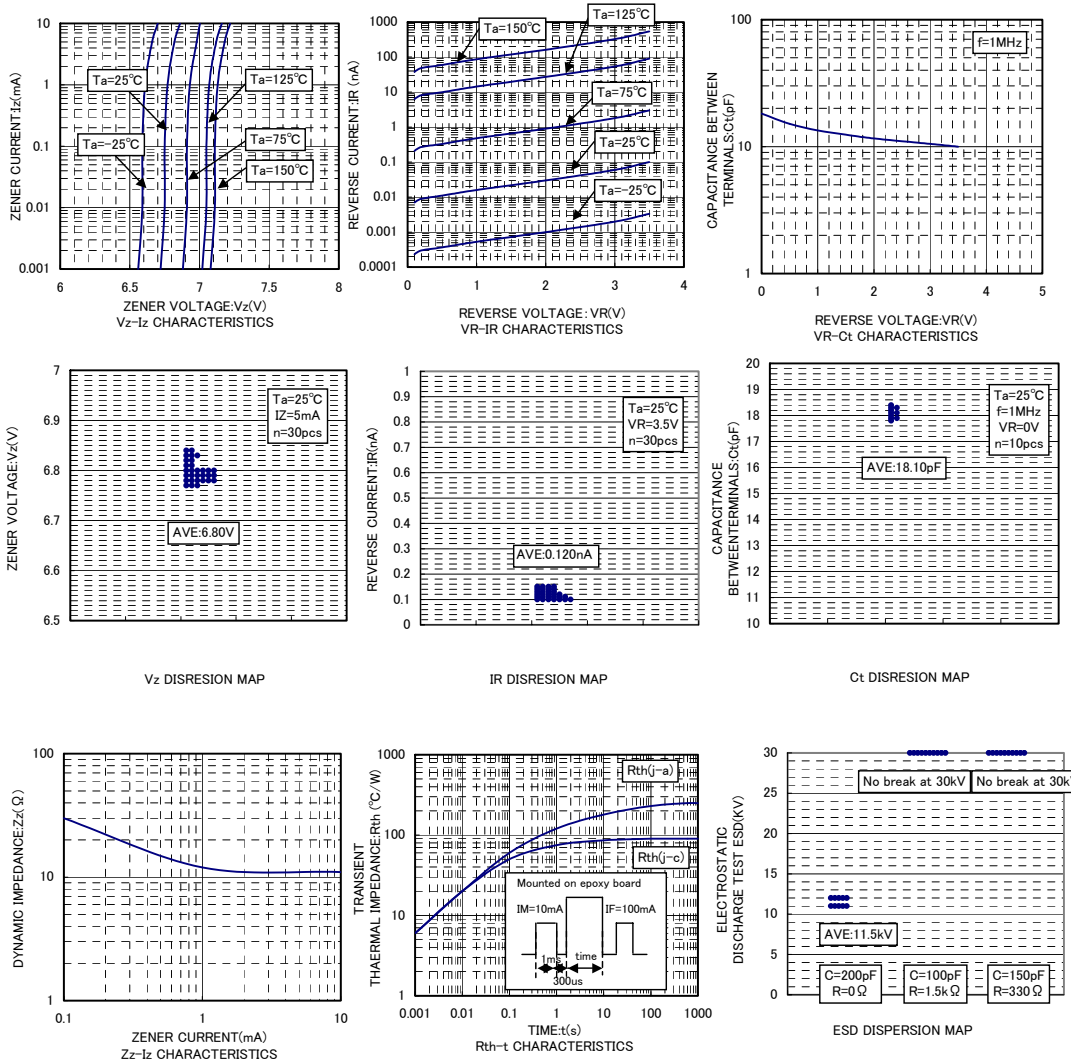
●Electrical characteristics (Ta=25°C) (* Per chip)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	Vz	6.47	-	7.14	V	Iz=5mA
Reverse current	IR	-	-	0.5	μA	VR=3.5V
Operating resistance	Zz	-	-	40	Ω	Iz=5mA
Rising operating resistance	Zzk	-	-	60	Ω	Iz=0.5mA

※Zener voltage is measured with 40msec current supply.

Diodes

● Electrical characteristic curves (Ta=25°C)



Vz DISRESION MAP

IR DISRESION MAP

Ct DISRESION MAP

Zz-Iz CHARACTERISTICS

Rth-t CHARACTERISTICS

ESD DISPERSION MAP

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