

Zener diode

FTZ5.6E

●Applications

Voltage regulation
(Anode common twin type)

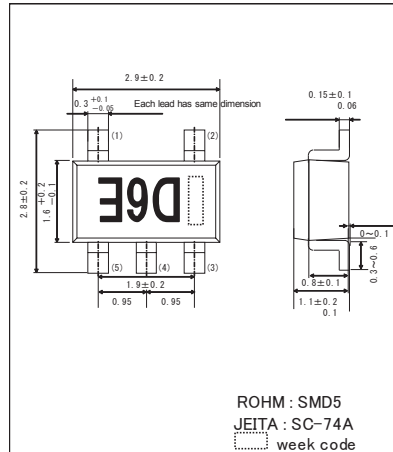
●Features

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

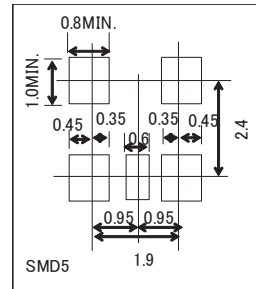
●Construction

Silicon epitaxial planar

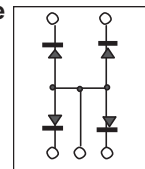
●External dimensions (Unit : mm)



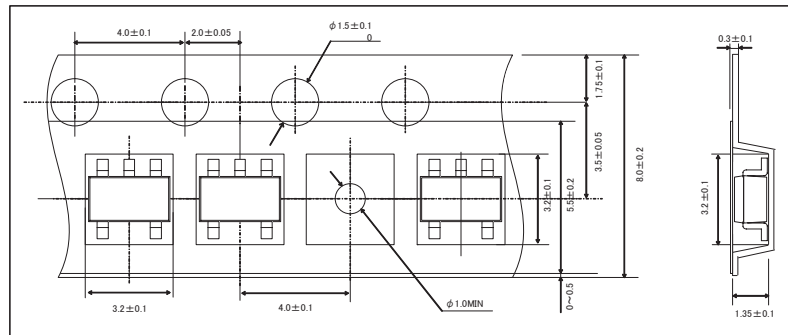
●Land size figure (Unit : mm)



●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

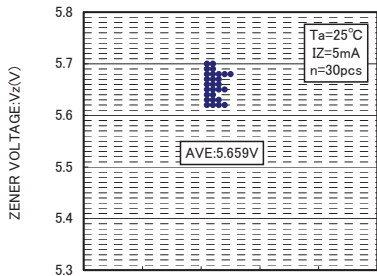
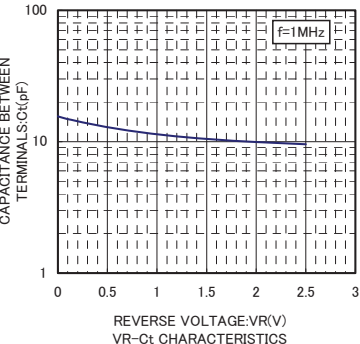
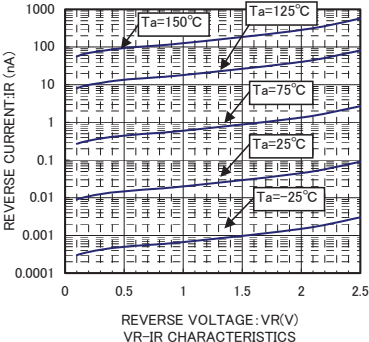
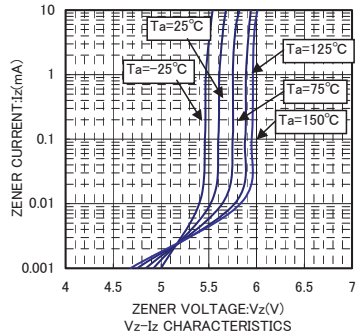
(*1) Total of 2 elements

●Electrical characteristics (Ta=25°C)

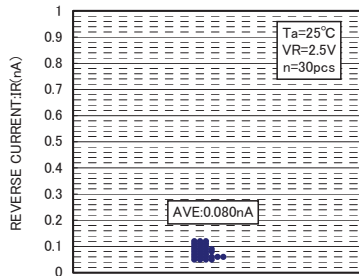
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	5.31	-	5.92	V	I _Z =5mA
Reverse current	I _R	-	-	1.00	μA	V _R =2.5V
Operating resistance	Z _Z	-	-	60	Ω	I _Z =5mA
Rising operating resistance	Z _{ZK}	-	-	200	Ω	I _Z =0.5mA

Diodes

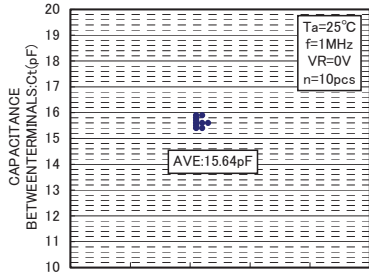
●Electrical characteristic curve (Ta=25°C)



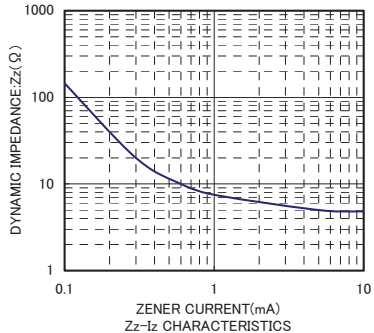
V_Z DISREION MAP



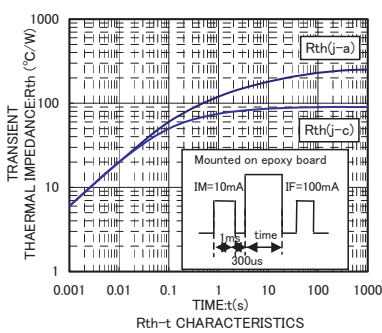
I_R DISREION MAP



C_t DISREION MAP



Z_z - I_Z CHARACTERISTICS



R_{th-t} CHARACTERISTICS

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