

# ESD Protection diode

## FTZ4.3E

### ●Applications

ESD Protection  
(common anode configuration)

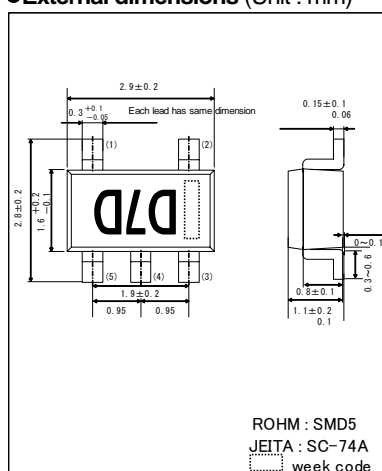
### ●Features

- 1) Small mold type. (UMD3)
- 2) High reliability

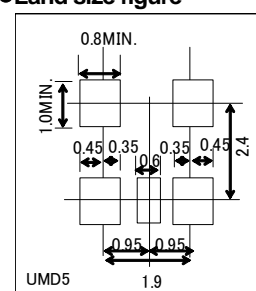
### ●Construction

Silicon epitaxial planar

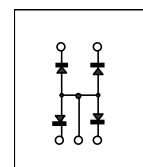
### ●External dimensions (Unit : mm)



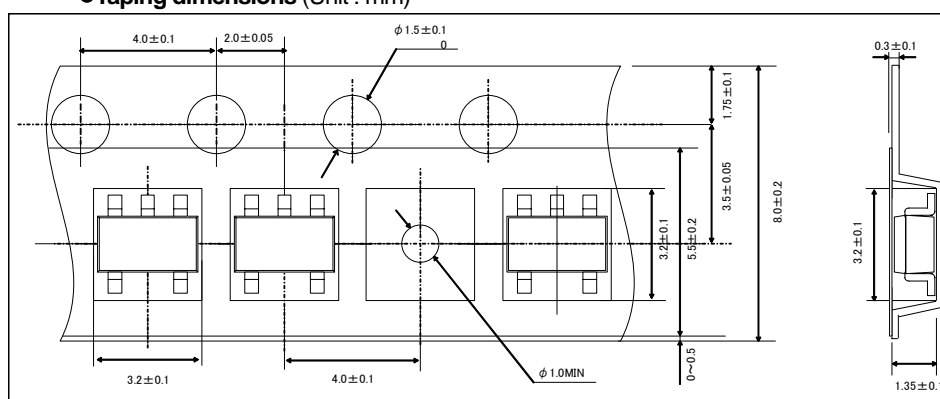
### ●Land size figure



### ●Structure



### ●Taping dimensions (Unit : mm)



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

Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P(*)	200	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

(\*) Rating of per diode

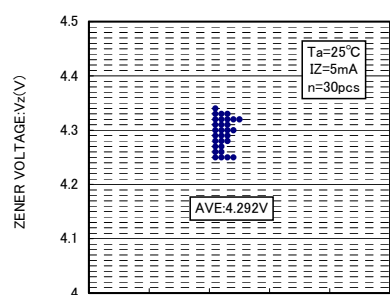
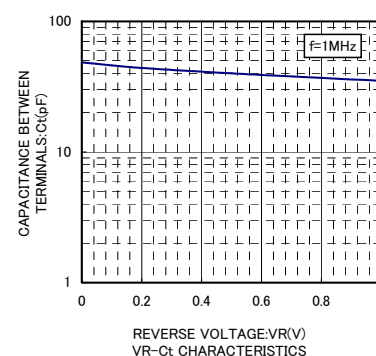
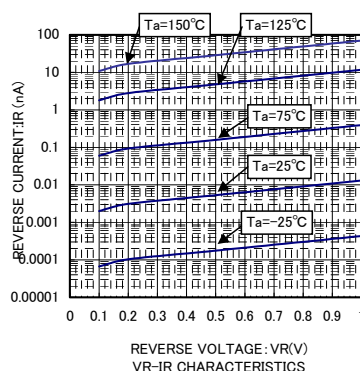
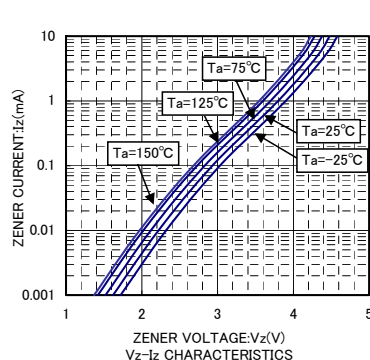
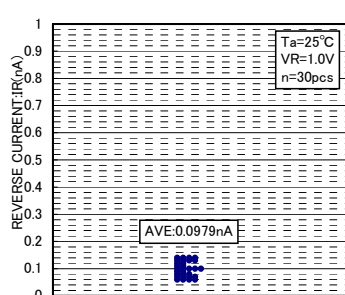
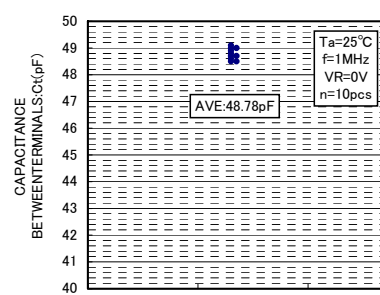
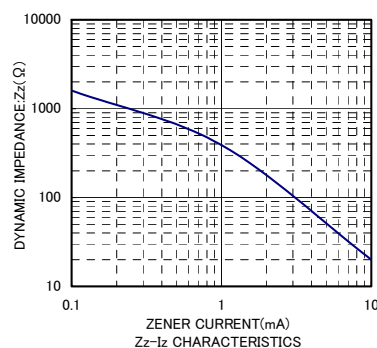
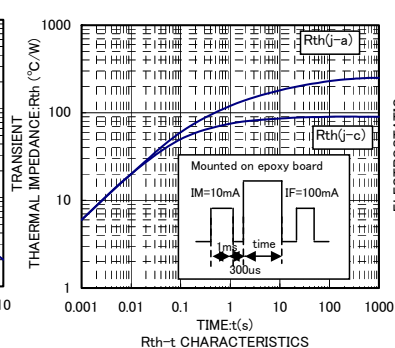
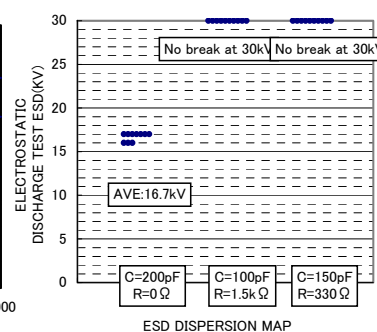
### ●Electrical characteristic (Ta=25°C) (\* Per chip)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V <sub>Z</sub>	4.04	-	4.57	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	5.0	μA	V <sub>R</sub> =1.0V
Operating resistance	Z <sub>Z</sub>	-	-	100	Ω	I <sub>Z</sub> =5mA

\*Zener voltage is measured with 40msec current supply

## Diodes

## ●Electrical characteristic curves

V<sub>Z</sub> DISERSION MAPI<sub>R</sub> DISERSION MAPC<sub>t</sub> DISERSION MAPZ<sub>Z</sub>-I<sub>Z</sub> CHARACTERISTICSR<sub>th</sub>-t CHARACTERISTICS

ESD DISPERSION MAP

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