# **ESD** Protection diode

## FTZU6.2E

#### Applications

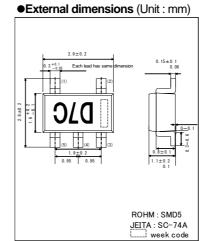
ESD Protection (Anode common twin type)

#### ● Features

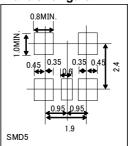
- 1) Small mold type. (SMD5)
- 2) High reliability

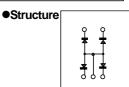
### **●**Construction

Silicon epitaxial planar

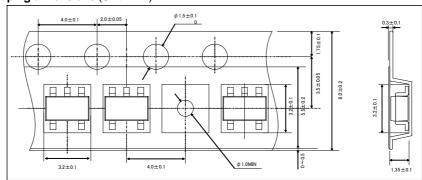


# ●Land size figure









#### ● 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

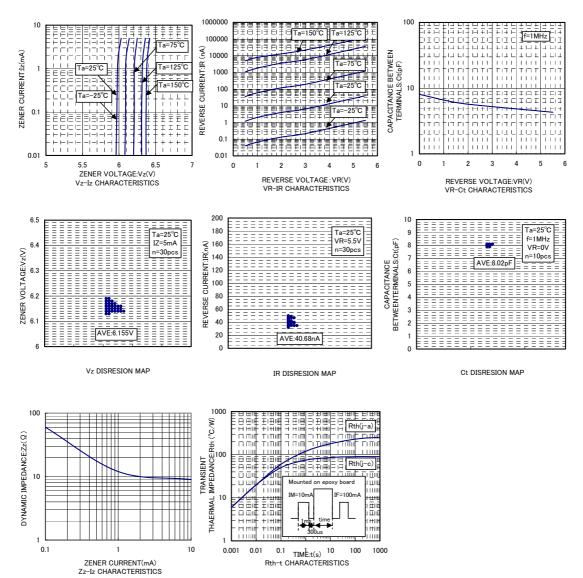
<sup>(※)</sup>Total of 4 elements

### ●Electrical characteristic (Ta=25°C) (\* Rating of per diode)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	$V_Z$	5.90	-	6.50	V	I <sub>Z</sub> =5mA
Reverse current	$I_{R}$	-	-	3.00	μA	V <sub>R</sub> =5.5V
Dynamic impedance	$Z_Z$	-	-	60	Ω	Iz=5mA
Zener voltage	Zzk	-	-	100	Ω	I <sub>Z</sub> =0.5mA
Capacitance between terminals	Ct	-	8	-	pF	f=1MHz VR=0V

<sup>\*</sup>Zener voltage is measured with 40msec current supply

#### •Electrical characteristic curves



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