# **ESD** Protection diode

# FTZU6.2E

### Applications

ESD Protection (Anode common twin type)

### ● Features

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

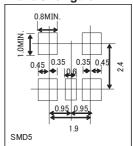
# Construction

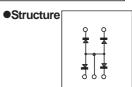
Silicon epitaxial planar

# 2.9±0.2 0.3±0.1 0.05 0.15±0.1 0.06 0.06 0.15±0.1 0.06

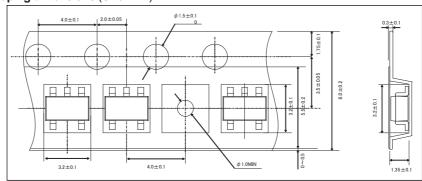
●External dimensions (Unit : mm)

# ●Land size figure





## ●Taping dimensions (Unit: mm)



ROHM: SMD5 JEITA: SC-74A week code

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

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

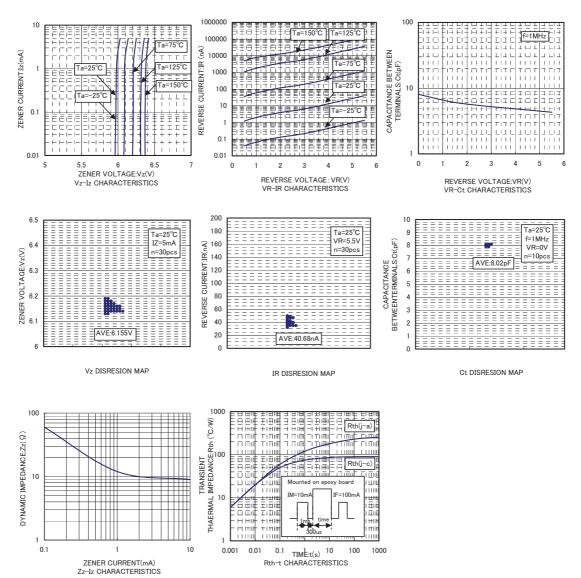
<sup>(※)</sup>Total of 4 elements

# ● 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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