

MAZE062D

Silicon planer type

Constant voltage, constant current, waveform clipper and surge absorption circuit

■ Features

- S-Mini type package (3-pin)
- Low joint capacity zener diode ($V_Z = 6.2V$)
- Two anode-common element wiring

■ Absolute Maximum Ratings ($T_a = 25^\circ C$)

Parameter	Symbol	Rating	Unit
Instantaneous forward current	I_{FRM}	200	mA
Total power dissipation	P_{tot}^*	150	mW
Junction temperature	T_j	150	$^\circ C$
Storage temperature	T_{stg}	- 55 to + 150	$^\circ C$

* With a printed-circuit board

■ Electrical Characteristics ($T_a = 25^\circ C$)*¹

Parameter	Symbol	Condition	min	typ	max	Unit
Forward voltage	V_F	$I_F = 10mA$		0.9	1.0	V
Zener voltage	V_Z^{*2}	$I_Z = 5mA$	5.9		6.5	V
Operating resistance	R_{ZK}	$I_Z = 0.5mA$			100	Ω
	R_Z	$I_Z = 5mA$			30	Ω
Reverse current	I_R	$V_R = 5.5V$			3	μA
Terminal capacitance	C_t	$V_R = 0V, f = 1MHz$		8		pF

Note 1. Rated input/output frequency : 5MHz

2. Test method : Depend on JIS C7031 testing

3. Electrostatic discharge is $\pm 15kV$

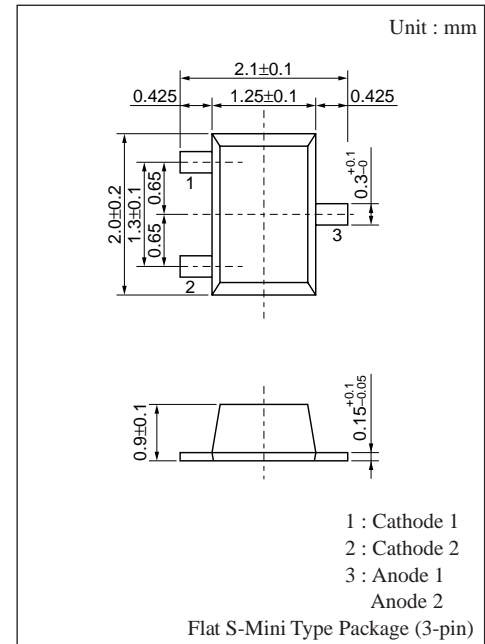
Test method : IEC-801(C=150pF, R=330 Ω , Contact discharge : 10 times)

Test unit : ESS-200AX

4. *¹ : The V_Z value is for the temperature of $25^\circ C$. In other cases, carry out the temperature compensation.

*² : Guaranteed at 20ms after power application

■ Marking



■ Internal Connection

