

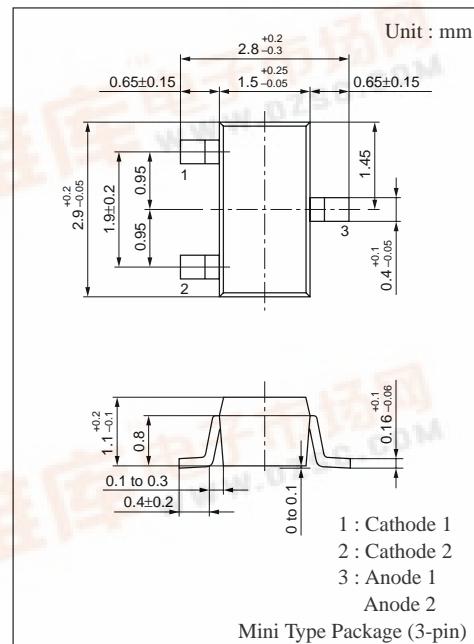
MAZC062D

Silicon planer type

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

■ Features

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

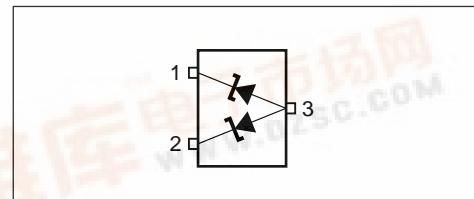


■ Absolute Maximum Ratings ($T_a = 25^\circ C$)

Parameter	Symbol	Rating	Unit
Instantious forward current	I_{FIRM}	200	mA
Total power dissipation	P_{tot}^*	200	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

* With a printed-circuit board

■ Internal Connection



■ 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^*	$I_Z=5mA$	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