

# MAZC062D

## Silicon planar type

For surge absorption circuit

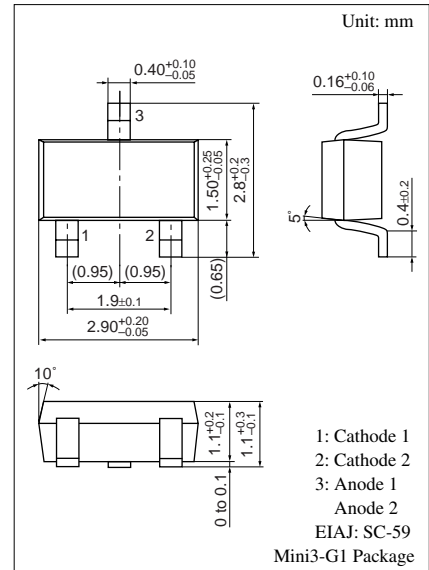
### ■ Features

- Mini type 3-pin package (Mini3-G1)
- Low joint capacity zener diode ( $V_Z = 6.2$  V)
- Two anode-common element wiring

### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

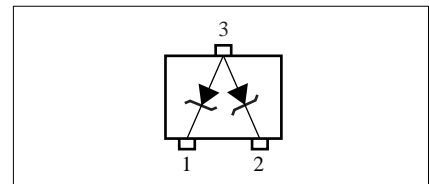
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	$I_{FRM}$	200	mA
Total power dissipation*	$P_{tot}$	200	mW
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +150	$^\circ\text{C}$

Note) \*: With a printed circuit board



Marking Symbol: 6.2C

### Internal Connection



### ■ Electrical Characteristics $T_a = 25^\circ\text{C}^{*1}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 10$ mA		0.9	1.0	V
Zener voltage <sup>*2</sup>	$V_Z$	$I_Z = 5$ mA	5.9		6.5	V
Zener knee operating resistance	$R_{ZK}$	$I_Z = 0.5$ mA			100	$\Omega$
Zener operating resistance	$R_Z$	$I_Z = 5$ mA			30	$\Omega$
Reverse current	$I_R$	$V_R = 5.5$ V			3	$\mu\text{A}$
Terminal capacitance	$C_t$	$V_R = 0$ V, $f = 1$ MHz		8		pF

Note) 1. Rated input/output frequency: 5 MHz

2. Test method according to the JIS C7031 testing

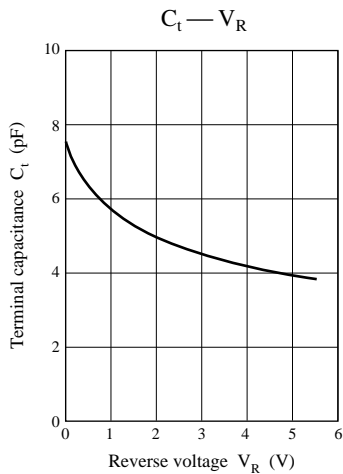
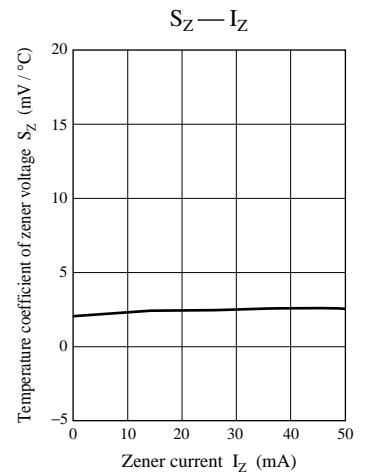
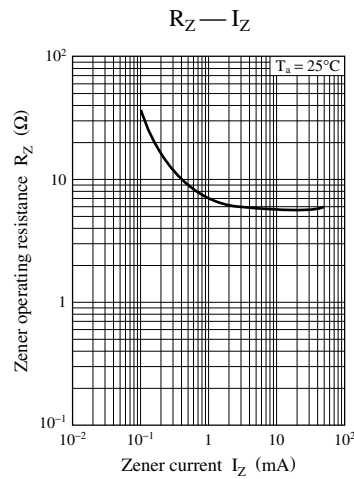
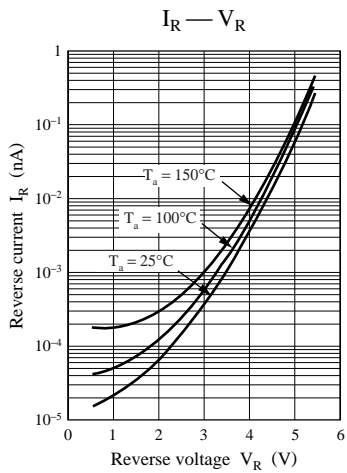
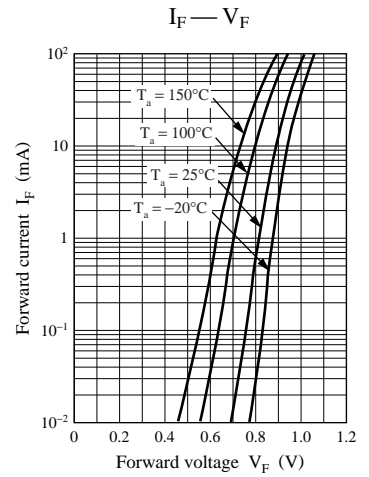
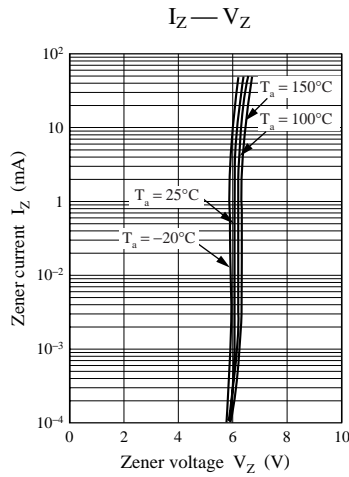
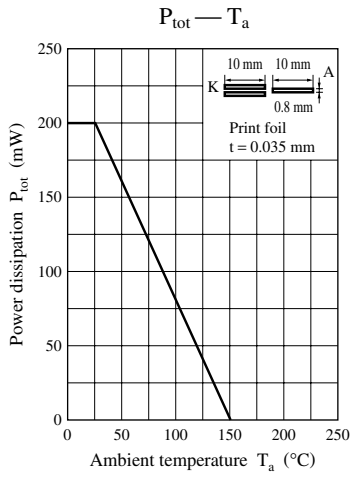
3. Electrostatic discharge is  $\pm 15$  kV

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

Test unit: ESS-200AX

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

\*2: Guaranteed at 20 ms after power application.



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