MAZC062D

Silicon planar type

For surge absorption circuit

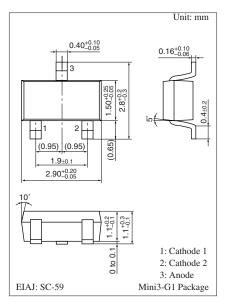
■ Features

- Low joint capacity zener diode
- Two elements anode-common type

■ Absolute Maximum Ratings $T_a = 25$ °C

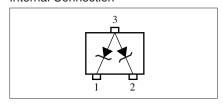
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	I_{FRM}	200	mA
Power dissipation*	P_{D}	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Note) *: $P_{tot} = 200 \text{ mW}$ achieved with a printed circuit board.



Marking Symbol: 6.2C

Internal Connection



■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 10 \text{ mA}$		0.9	1.0	V
Zener voltage*	$V_{\rm Z}$	$I_Z = 5 \text{ mA}$	5.9		6.5	V
Zener rise operating resistance	R _{ZK}	$I_Z = 0.5 \text{ mA}$			100	Ω
Zener operating resistance	R _Z	$I_Z = 5 \text{ mA}$		30	Ω	
Reverse current	I_R	$V_R = 5.5 \text{ V}$			3	μΑ
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		8		pF

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

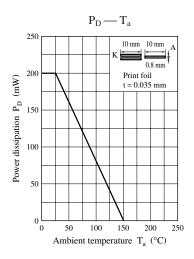
- 2. Absolute frequency of input and output is 5 MHz
- 3. Electrostatic breakdown voltage: ±15 kV

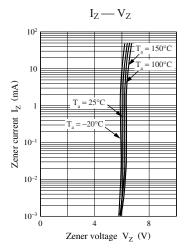
Test method: IEC-801 (C = 150 pF, R = 330 Ω , Contact discharge: 10 times)

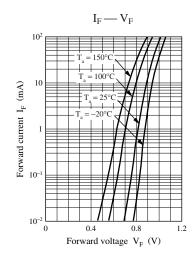
Test unit: ESS-200AX

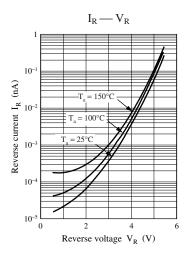
4. *: The V_Z value is for the temperature of 25°C. In other cases, carry out the temperature compensation. Guaranteed at 20 ms after power application.

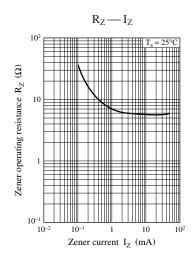
Panasonic

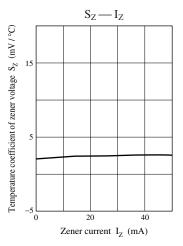


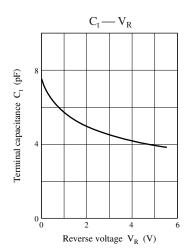












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