Unit

MAZ9xxxH Series

Silicon planar type

For surge absorption circuit

Features

- Two elements anode-common type
- Power dissipation P_D : 200 mW

Parameter

	Unit: mm		
	0.16+0.10		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	5°		
10, 10, 10, 10, 10, 10, 10, 10,	1: Cathode 1 2: Cathode 2		
EIAJ: SC-59	3: Anode Mini3-G1 Package		

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

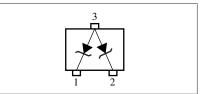
Power dissipation *	P _D	200	mW
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Symbol

Rating

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

Internal Connection



Common Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol		Conditions	Min	Тур	Max	Unit	
Zener voltage*	VZ	IZ	Specified value					V
Zener rise operating resistance	R _{ZK}	IZ	Specified value	Refer to the list of the electrical characteristics —				Ω
Zener operating resistance	R _Z	IZ			within part numbers			Ω
Reverse current	I _R	V _R	Specified value					μΑ

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

2. Electrostatic breakdown voltage: ±10 kV

Test method: IEC1000-4-2 (C = 150 pF, R = 330 Ω , Contact discharge: 10 times)

3. *: The temperature must be controlled 25°C for V_Z mesurement.

 V_Z value measured at other temperature must be adjusted to V_Z (25°C)

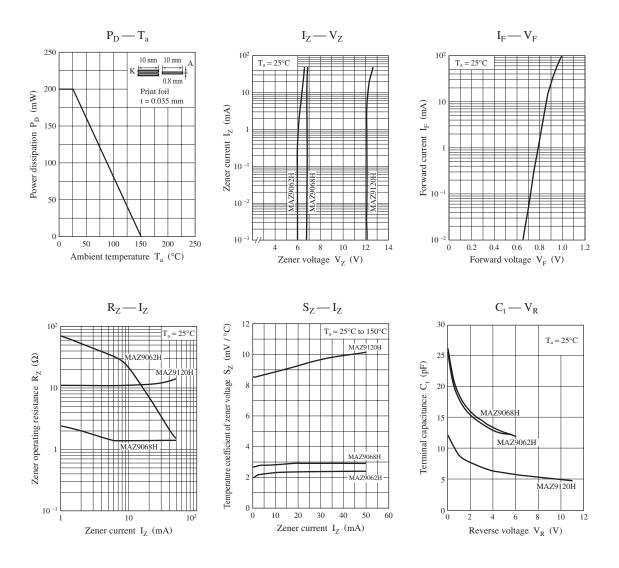
Vz guaranted 20 ms after current flow.

MAZ9xxxH Series

Panasonic

Zener voltage Part number V _Z (V)		Reverse current I _B (mA)		$\begin{array}{c c} \text{Zener} & \text{Zener rise} \\ \text{operating} \\ \text{resistance} \\ \text{R}_{Z}\left(\Omega\right) & \text{R}_{ZK}\left(\Omega\right) \end{array}$		Marking symbol			
	Min	v∠ ∣ Nom	Max	I _Z (mA)	Max	V _R (V)	2 ()	$I_Z = 0.5 \text{ mA}$ Max	0,
MAZ9062H	5.8	6.2	6.6	5	0.2	4	50	100	6.2Z
MAZ9068H	6.4	6.8	7.2	5	0.1	4	30	60	6.8Z
MAZ9120H	11.4	12.0	12.7	5	0.05	9	30	80	12Z

Electrical characteristics within part numbers $Ta = 25^{\circ}C \pm 3^{\circ}C$



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