Unit: mm

MAZW000H Series

Silicon planar type

For surge absorption circuit

Features

- Two elements anode-common type
- SSS-Mini type 3-pin package

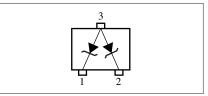
0.33+0.05	0.10 ^{+0.05}
0.23 ^{+0.05} 0.23 ^{+0.05} 0.02 0.02 0.00 0.00 0.00 0.00 0.00 0.0	0.15 min. 0.80±0.05 1.20±0.05 5. 0.15 min.
	0.0524000 0.5224000 0.5224000
	1: Cathode 1 2: Cathode 2
	3: Anode 1, 2 SSSMini3-F1 Package

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

Parameter	Symbol	Rating	Unit	
Total power dissipation *	P _{tot}	150	mW	
Junction temperature	Tj	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

Note) *: $P_{tot} = 150 \text{ mW}$ achieved with a printed circuit board.

Internally connected circuit



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 characteristic within part numbers				Ω
Zener operating resistance	R _Z	IZ	Specified value					
Reverse current	I _R	V _R	Specified value	_				μΑ

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

2. Electrostatic breakdown voltage is $\pm 10 \text{ kV}$

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

3. *: The temperature must be controlled 25°C for $V_{\rm Z}$ mesurement.

 V_Z value measured at other temperature must be adjusted to $V_Z\,(25^\circ C)$

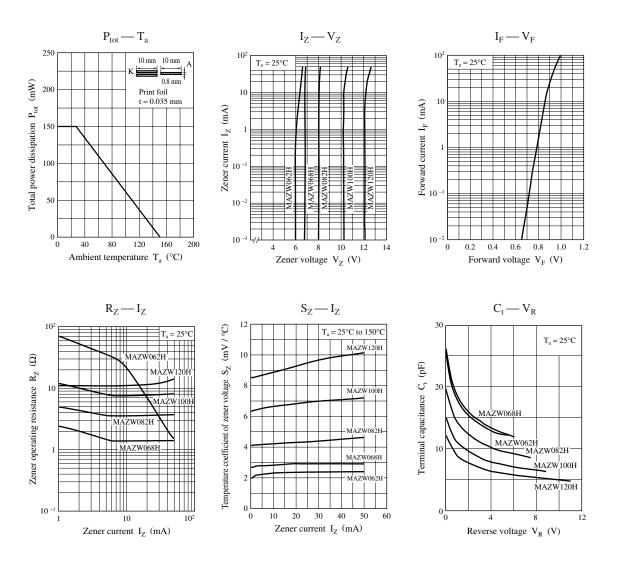
 $V_{\rm Z}$ guaranted 20 ms after current flow.

	Zener voltage				Reverse current (DC) I _R (μΑ)		Zener operating resistance		Marking symbol
Part number							$R_{Z}(\Omega) = R_{ZK}(\Omega)$		
				Iz		V _R	-	I _Z = 0.5 mA	
	Min	Nom	Max	(mA)	Max	(V)	Max	Max	
MAZW062H	5.8	6.2	6.6	5	0.2	4	50	100	62
MAZW068H	6.4	6.8	7.2	5	0.1	4	30	60	68
MAZW082H	7.7	8.2	8.7	5	0.1	5	30	60	82
MAZW100H	9.4	10.0	10.6	5	0.05	7	30	60	10
MAZW120H	11.4	12.0	12.7	5	0.05	9	30	60	12

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

Note) 1. The V_Z value is the one after power application for 20 ms at $T_a = 25^{\circ}C$.

2. The zener voltage temperature coefficient is the one for $T_i = 25^{\circ}C$ to $150^{\circ}C$.



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