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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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MAZMxxxH Series

Silicon planar type

For surge absorption circuit

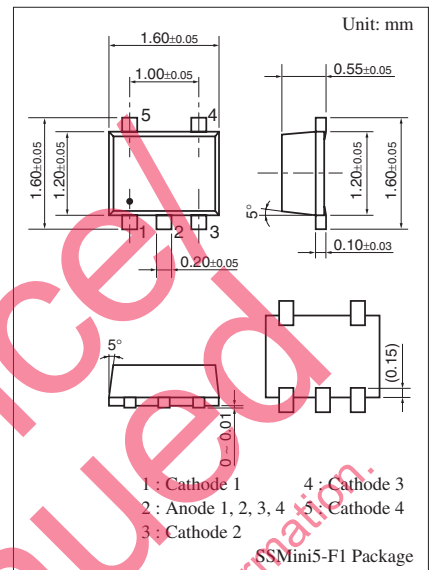
■ Features

- Four elements anode-common type
- Power dissipation P_D : 150 mW

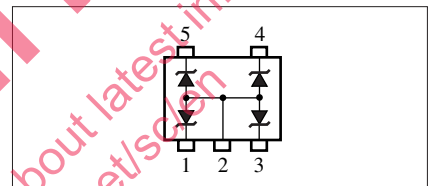
■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Power dissipation *	P_D	150	mW
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

Note) *: $P_D = 150$ mW achieved with a printed circuit board.



Internally connected circuit



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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Zener voltage *	V_Z	I_Z Specified value				V
Zener rise operating resistance	R_{ZK}	I_Z Specified value				Ω
Zener operating resistance	R_Z	I_Z Specified value				Ω
Reverse current	I_R	V_R Specified value				μA

Refer to the list of the electrical characteristics within part numbers

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

2. Electrostatic breakdown voltage is ± 10 kV

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

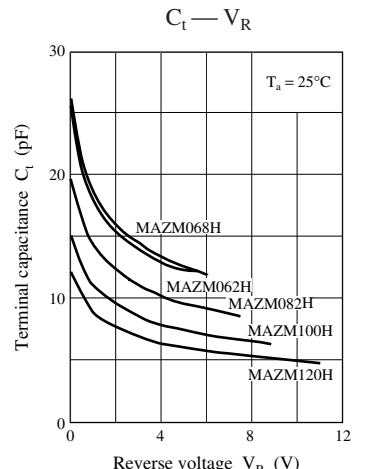
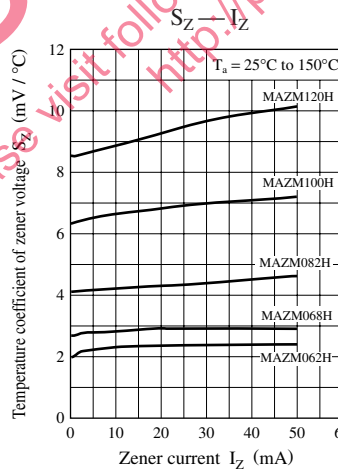
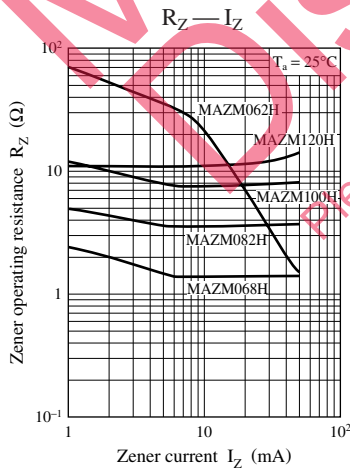
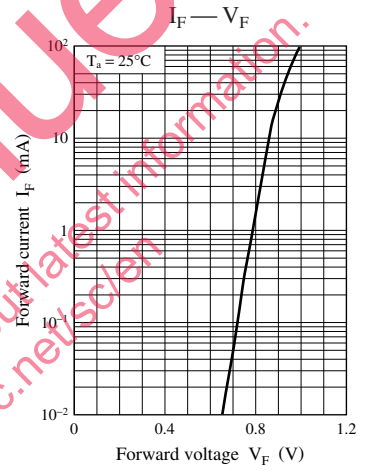
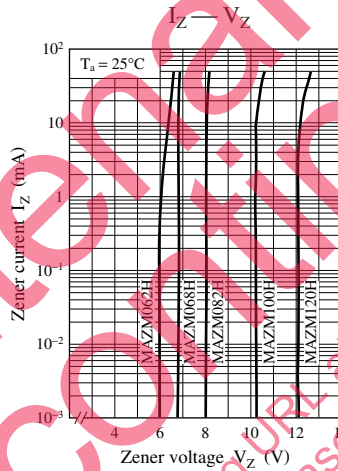
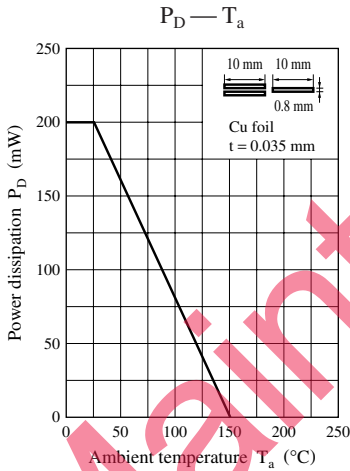
3. *: The temperature must be controlled 25°C for V_Z measurement.

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

V_Z guaranteed 20 ms after current flow.

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

Part number	Zener voltage V_Z (V)				Reverse current (DC) I_R (μA)		Zener operating resistance R_Z (Ω)	Zener rise resistance R_{ZK} (Ω)	Marking symbol
	Min	Nom	Max	I_Z (mA)	Max	V_R (V)	$I_Z = 5 \text{ mA}$	$I_Z = 0.5 \text{ mA}$	
							Max	Max	
MAZM062H	5.8	6.2	6.6	5	0.2	4	50	100	6.2Z
MAZM068H	6.4	6.8	7.2	5	0.1	4	30	60	6.8Z
MAZM082H	7.7	8.2	8.7	5	0.1	5	30	60	8.2Z
MAZM100H	9.4	10.0	10.6	5	0.05	7	30	60	10Z
MAZM120H	11.4	12.0	12.7	5	0.05	9	30	80	12Z



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