

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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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MAZZxxxH Series

Silicon planar type

For surge absorption circuit

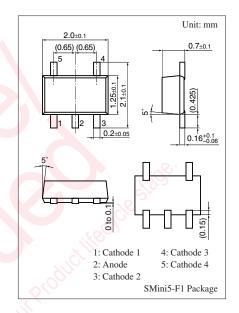
■ Features

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

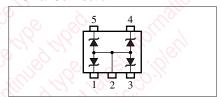
■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit		
Power dissipation*	P_{D}	200	mW		
Junction temperature	T _j	150	°C		
Storage temperature	T _{stg}	-55 to +150	°C		

Note) *: P_D = 200 mW achieved with a printed circuit board.



Internal Connection



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

Parameter	Symbol	6.	Conditions		Min	Тур	Max	Unit
Zener voltage *	$V_{\rm Z}$	I_Z	Specified value	2000				V
Zener rise operating resistance	R _{ZK}	I_Z	Specified value	Refer to the list of the electrical characteristics			Ω	
Zener operating resistance	R_{Z}	I_Z	Specified value	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)

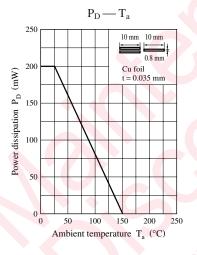
3. *: The temperature must be controlled 25°C for V_Z mesurement.

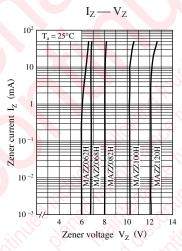
 V_Z value measured at other temperature must be adjusted to V_Z (25°C)

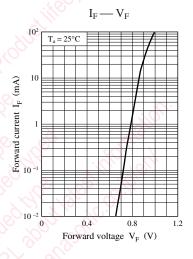
 $\ensuremath{V_{Z}}$ guaranted 20 ms after current flow.

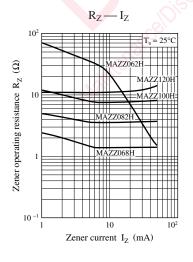
\blacksquare Electrical characteristics within part numbers $~T_a$ = $25^{\circ}C \pm 3^{\circ}C$

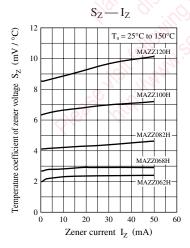
Part number			Zener voltage V _Z (V)			Reverse current I _R (mA)		Zener rise operating resistance $R_{ZK}(\Omega)$	Marking symbol
		l	1	Iz	1	V_R	-	-	
	Min	Nom	Max	(mA)	Max	(V)	Max	Max	
MAZZ062H	5.8	6.2	6.6	5	0.2	4	50	100	6.2Z
MAZZ068H	6.4	6.8	7.2	5	0.1	4	30	60	6.8Z
MAZZ082H	7.7	8.2	8.7	5	0.1	5	30	60	8.2Z
MAZZ100H	9.4	10.0	10.6	5	0.05	7	30	60	10Z
MAZZ120H	11.4	12.0	12.7	5	0.05	9	30	80	12Z

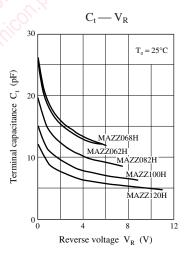












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