MAZPxxxH Series

Silicon planar type

For surge absorption circuits

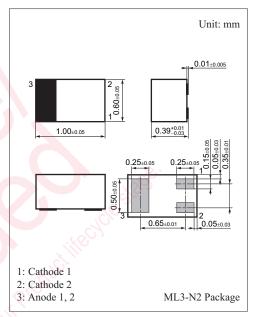
■ Features

 Two elements are contained in one package, optimum for high-density mounting

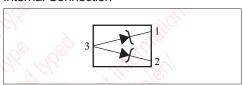
■ Absolute Maximum Ratings $T_a = 25$ °C

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

Note) *: $P_T = 200 \text{ mW}$ achieved with a printed circuit board. (2-chips total)



Internal Connection



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

Parameter	Symbol	Conditions		Min	Тур	Max	Unit
Zener voltage *	V _Z	I_Z	Specified value	00, 50			V
Zener rise operating resistance	R _{ZK}	I_Z	Specified value	ecified value Refer to the list of			
Zener operating resistance	$R_{\rm Z}$	I_Z	Specified value	electrical characteristics 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 $\ensuremath{V_{Z}}$ mesurement.

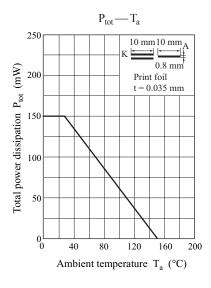
 V_Z value measured at other temperature must be adjusted to V_Z (25°C)

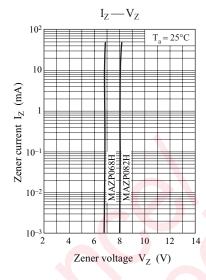
4. *: V_Z guaranted 20 ms after current flow.

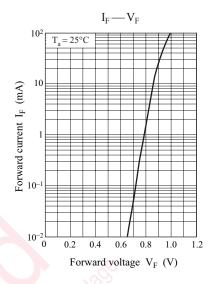
■ Electrical Characteristics within Part Numbers $T_a = 25$ °C±3°C

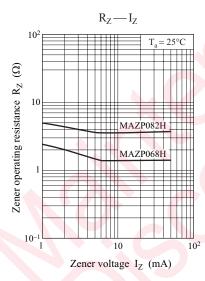
Part number	Zener voltage V _Z (V)			Zener rise operating resistance $R_{ZK}(\Omega)$		Zener operating resistance $R_Z(\Omega)$		Reverse current I _R (μA)		Marking symbol	
	I _Z (mA)	Min	Тур	Max	I _Z (mA)	Max	I _Z (mA)	Max	V _R (V)	Max	
MAZP068H	5	6.40	6.80	7.20	0.5	60	5	30	4.0	0.1	В6
MAZP082H	5	7.70	8.20	8.70	0.5	60	5	30	5.0	0.1	6

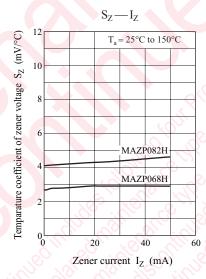
Panasonic

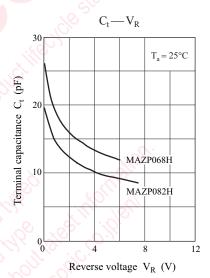












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