

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Zener Diodes Panasonic

MALT062H

Silicon planar type

For ESD protection

■ Features

- Electrostatic discharge ESD: ±30 kV
- Four elements anode-common type

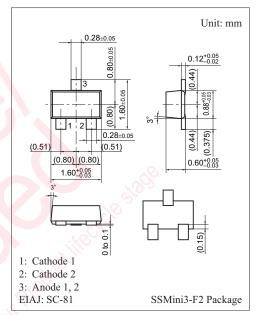
■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Total power dissipation *1	P_{D}	150	mW	
Junction temperature	T _j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	
Electrostatic discharge *2	ESD	±30	kV	

Note) $*1: P_D = 150 \text{ mW}$ achieved with a printed circuit board.

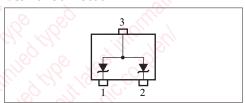
*2: Test method: IEC61000-4-2

 $(C = 150 \text{ pF}, R = 330 \Omega, \text{Contact discharge: } 10 \text{ times})$



Marking Symbol: 6.2E

Internal Connection



1

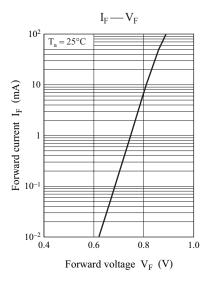
■ Electrical Characteristics $T_a = 25$ °C±3°C

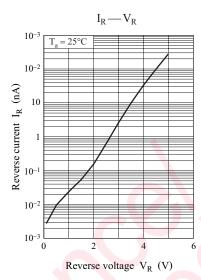
Parameter		Symbol	Conditions	Min	Тур	Max	Unit
Breakdown voltage *		V_{BR}	$I_R = 1 \text{ mA}$	5.8	6.2	6.6	V
Reverse current	N _C	I_R	$V_R = 4.0 \text{ V}$			1.0	μА
Terminal capacitance	*SLO	Ct	$V_R = 0 V, f = 1 MHz$		55		pF

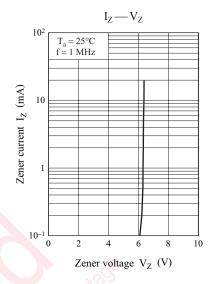
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

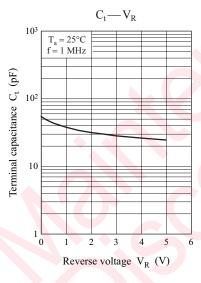
- 2. The temperature must be controlled 25°C for V_{BR} mesurement.
 - V_{BR} value measured at other temperature must be adjusted to V_{BR} (25°C)
- 3. *: V_{BR} guaranted 20 ms after current flow.

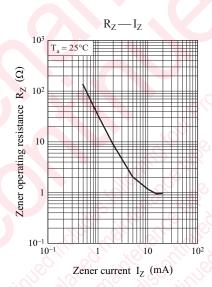
MALT062H Panasonic











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