



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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MAZC062D

Silicon planar type

For surge absorption circuit

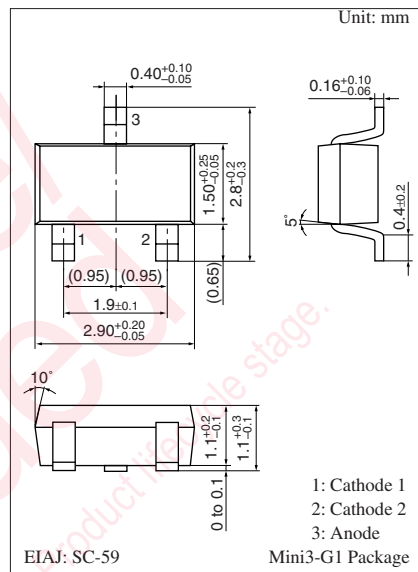
■ Features

- Low joint capacity zener diode
- Two elements anode-common type

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

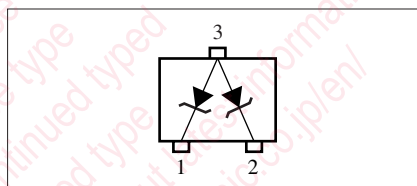
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	I_{FRM}	200	mA
Power dissipation*	P_D	200	mW
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

Note) *: $P_{tot} = 200$ mW achieved with a printed circuit board.



Marking Symbol: 6.2C

Internal Connection



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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 10$ mA		0.9	1.0	V
Zener voltage*	V_Z	$I_Z = 5$ mA	5.9		6.5	V
Zener rise operating resistance	R_{ZK}	$I_Z = 0.5$ mA			100	Ω
Zener operating resistance	R_Z	$I_Z = 5$ mA		30	Ω	
Reverse current	I_R	$V_R = 5.5$ V			3	μA
Terminal capacitance	C_t	$V_R = 0$ V, $f = 1$ MHz		8		pF

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

2. Absolute frequency of input and output is 5 MHz

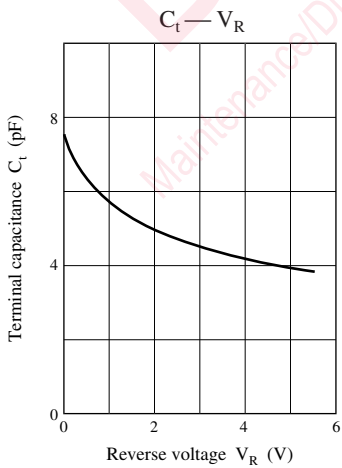
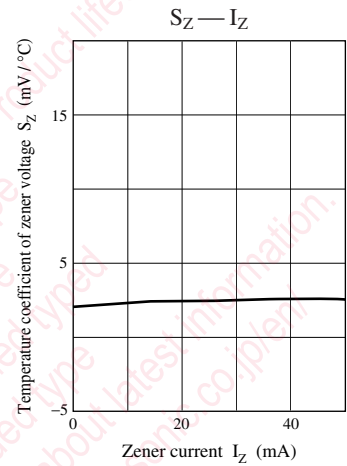
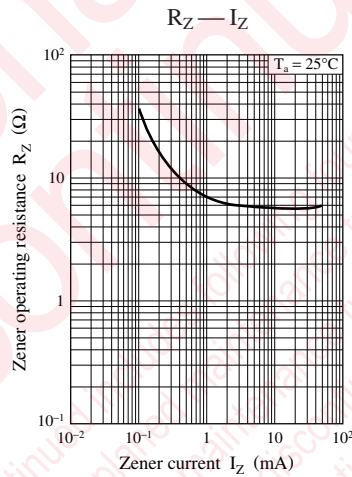
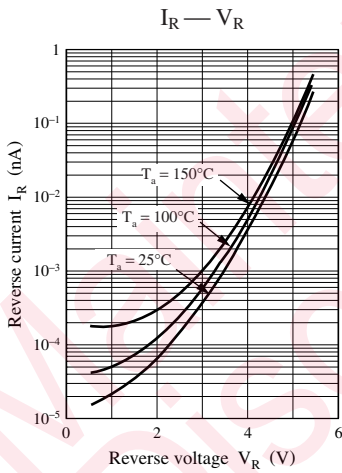
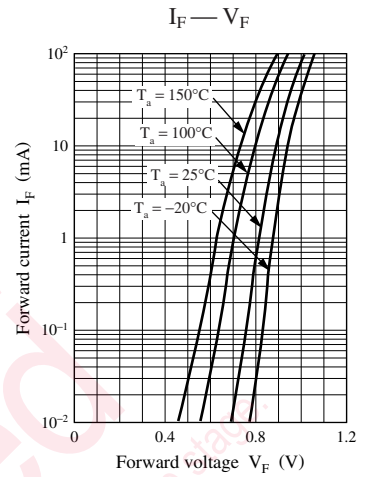
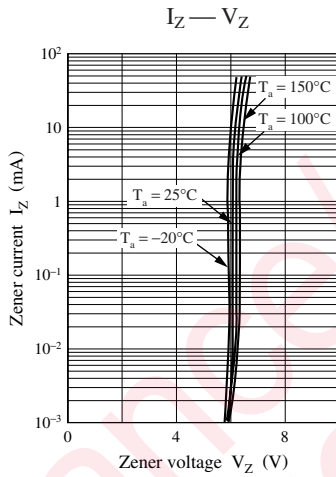
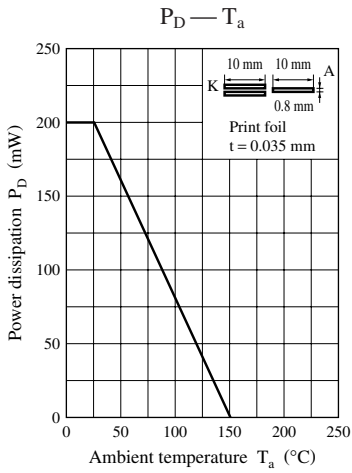
3. Electrostatic breakdown voltage: ± 15 kV

Test method: IEC-801 (C = 150 pF, R = 330 Ω , Contact discharge: 10 times)

Test unit: ESS-200AX

4. *: The V_Z value is for the temperature of 25°C . In other cases, carry out the temperature compensation.

Guaranteed at 20 ms after power application.



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