

MAYK062DG

Silicon planar type

For waveform clipper

For surge absorption circuits

■ Features

- Low joint capacity zener diode

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

Parameter	Symbol	Rating	Unit
Repetitive peak forward current	I_{FRM}	200	mA
Total power dissipation *	P_{tot}	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

■ Package

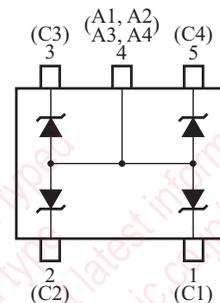
- Code
Mini5-G2
- Pin Name

1: Cathode 1
2: Cathode 2
3: Cathode 3

4: Anode 1, 2, 3, 4
5: Cathode 4

■ Marking Symbol: 6.2C

■ Internal Connection



■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$ *1

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 10$ mA		0.9	1.0	V
Zener voltage *2	V_Z	$I_Z = 5$ mA	5.9		6.5	V
Reverse current	I_R	$V_R = 5.5$ V			3	μA
Zener rise operating resistance	R_{ZK}	$I_Z = 0.5$ mA			100	Ω
Zener operating resistance	R_Z	$I_Z = 5$ mA			30	Ω
Terminal capacitance	C_t	$V_R = 0$ V, $f = 1$ MHz		8		pF

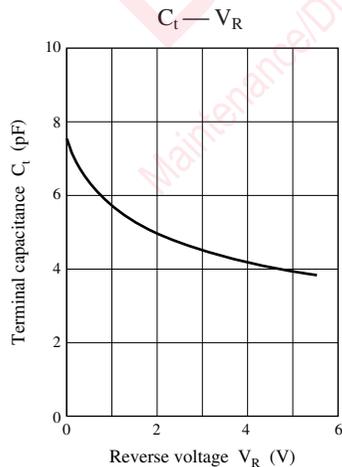
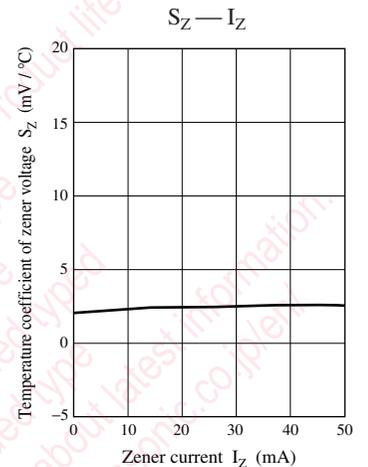
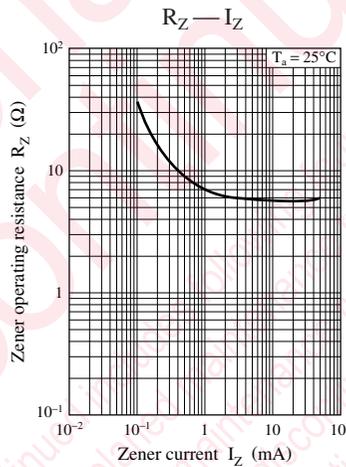
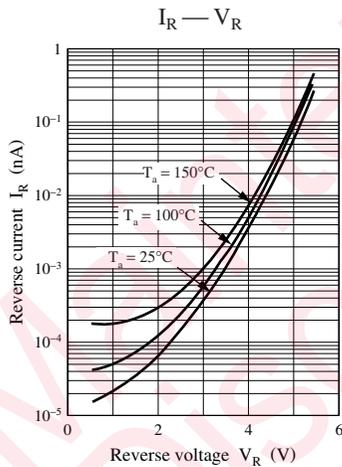
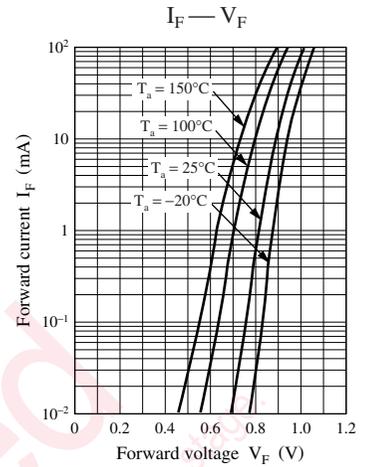
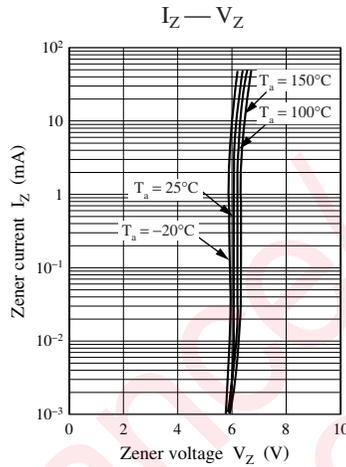
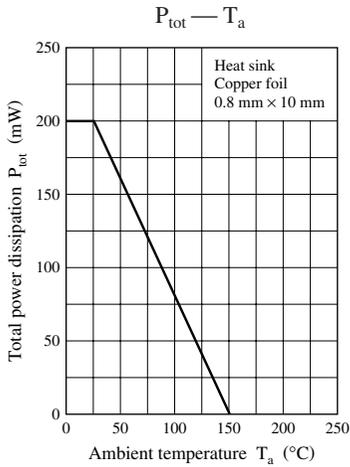
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. Absolute frequency of input and output is 5 MHz.

3. *1: The temperature must be controlled 25°C for V_Z measurement.

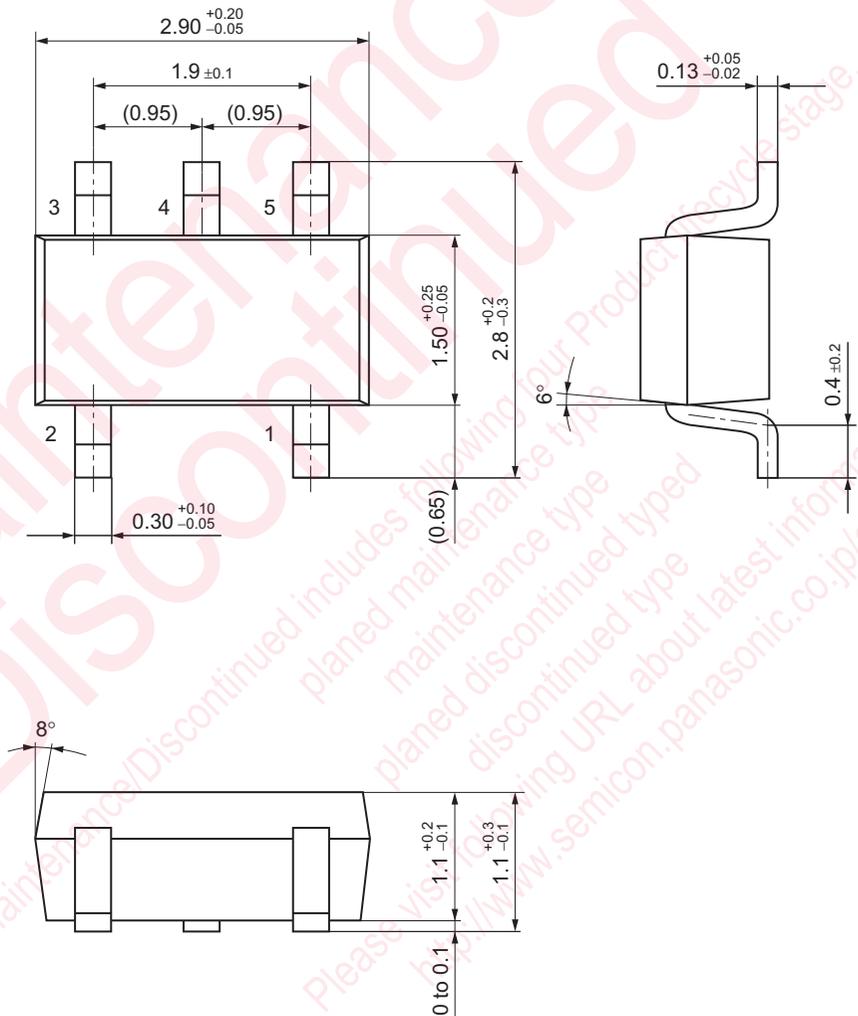
V_Z value measured at other temperature must be adjusted to $V_Z (25^\circ\text{C})$.

*2: V_Z guaranteed 20 ms after current flow.



Mini5-G2

Unit: mm



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