# HZM6.2ZWA

# Silicon Epitaxial Planar Zener Diode for Surge Absorb

# **HITACHI**

ADE-208-499A (Z)

Rev.1 Nov. 2001

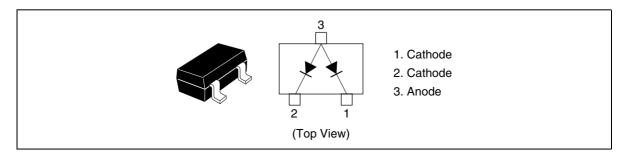
#### **Features**

- HZM6.2ZWA has two devices, and can absorb external + and -surge.
- Low capacitance (C = 8.5 pF max) and can protect ESD of signal line.
- MPAK Package is suitable for high density surface mounting and high speed assembly.

### **Ordering Information**

Type No.	Laser Mark	Package Code
HZM6.2ZWA	62Z	MPAK

## Pin Arrangement





### HZM6.2ZWA

## **Absolute Maximum Ratings**

 $(Ta = 25^{\circ}C)$ 

Item	Symbol	Value	Unit
Power dissipation	Pd *	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note: Two device total, See Fig.2.

## **Electrical Characteristics\***<sup>1</sup>

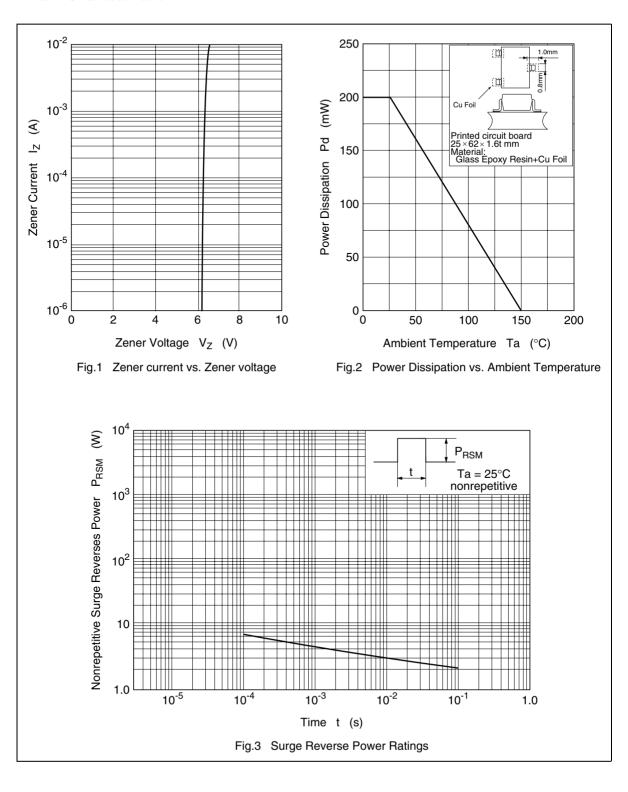
 $(Ta = 25^{\circ}C)$ 

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Zener voltage	V <sub>z</sub>	5.90	_	6.50	V	$I_z = 5 \text{ mA}, 40 \text{ ms pulse}$
Reverse current	I <sub>R</sub>	_	_	3	μΑ	V <sub>R</sub> = 5.5 V
Capacitance	С	_	8.0	8.5	pF	V <sub>R</sub> = 0 V, f = 1 MHz
Dynamic resistance	r <sub>d</sub>	_		60	Ω	$I_z = 5 \text{ mA}$
ESD-Capability *2	_	13	_	_	kV	$C = 150$ pF, $R = 330 \Omega$ , Both forward and reverse direction 10 pulse

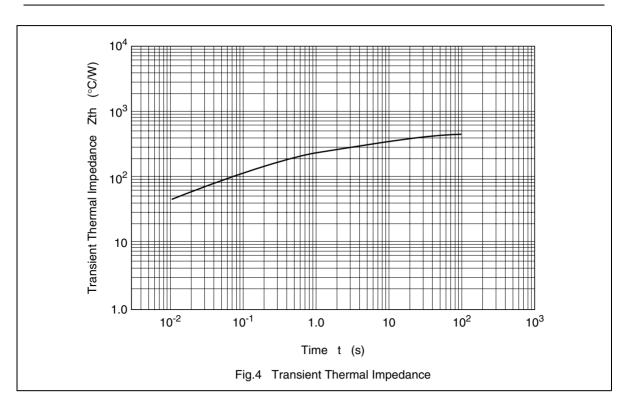
Notes: 1. Per one device.

2. Failure criterion ;  $I_{\scriptscriptstyle R} > 3~\mu\text{A}$  at  $V_{\scriptscriptstyle R} = 5.5~V.$ 

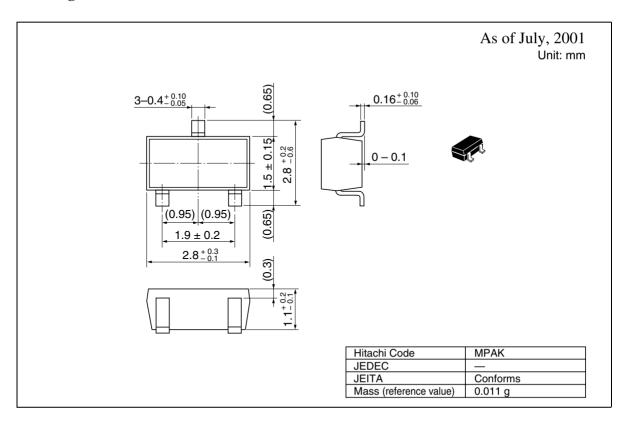
### **Main Characteristic**



# HZM6.2ZWA



## **Package Dimensions**



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