HZM27WA

Silicon Epitaxial Planar Zener Diode for Surge Absorb

HITACHI

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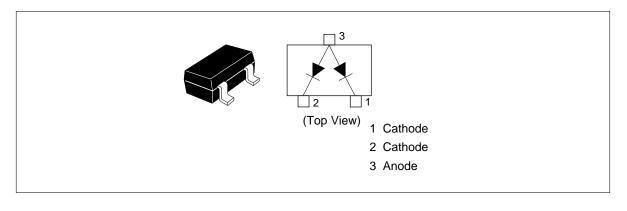
Features

- HZM27WA has two devices, and can absorb external + and -surge.
- MPAK Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HZM27WA	<u>2</u> 7A	MPAK

Outline



HZM27WA

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

Item	Symbol	Value	Unit
Power dissipation	Pd *1	200	mW
Junction temperature	Тј	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note 1. Two device total, See Fig.2.

Electrical Characteristics (Ta = 25° C) *1

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Zener voltage	V_z	25.10	_	28.90	V	$I_Z = 2 \text{ mA}$, 40ms pulse
Reverse current	I _R	_	_	2	μΑ	V _R = 21V
Capacitance *2	С	_	(27)		pF	$V_R = 0V, f = 1 MHz$
Dynamic resistance	r _d	_	_	70	Ω	$I_Z = 2 \text{ mA}$
ESD-Capability *3	_	30	_	_	kV	C =150pF, R = 330 Ω , Both forward and reverse direction 10 pulse

Notes 1. Per one device.

- 2. Reference only.
- 3. Failure criterion ; IRÅÑ2 μ A at VR = 21V.

Main Characteristic

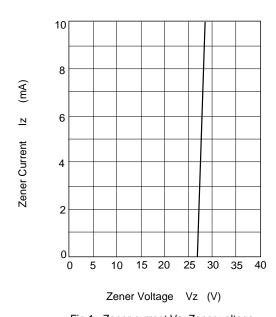


Fig.1 Zener current Vs. Zener voltage

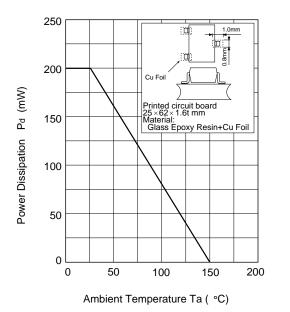


Fig.2 Power Dissipation Vs. Ambient Temperature

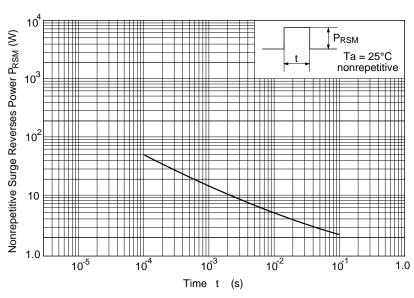
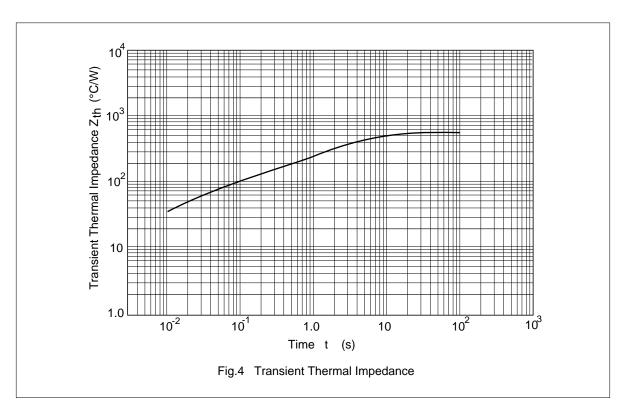


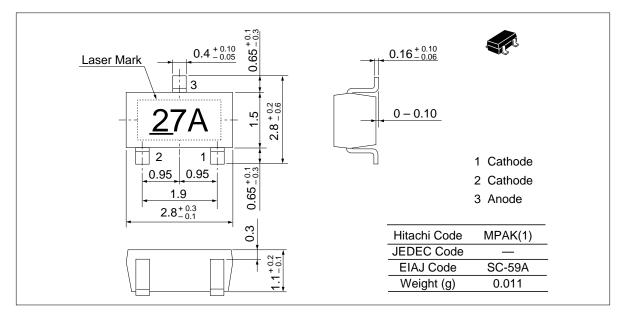
Fig.3 Surge Reverse Power Ratings

HZM27WA

Main Characteristic



Package Dimensions (Unit: mm)



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