

HZM27WA

Silicon Epitaxial Planar Zener Diode for Surge Absorb

REJ03G1214-0400
 (Previous: ADE-208-352C)
 Rev.4.00
 Jun 16, 2005

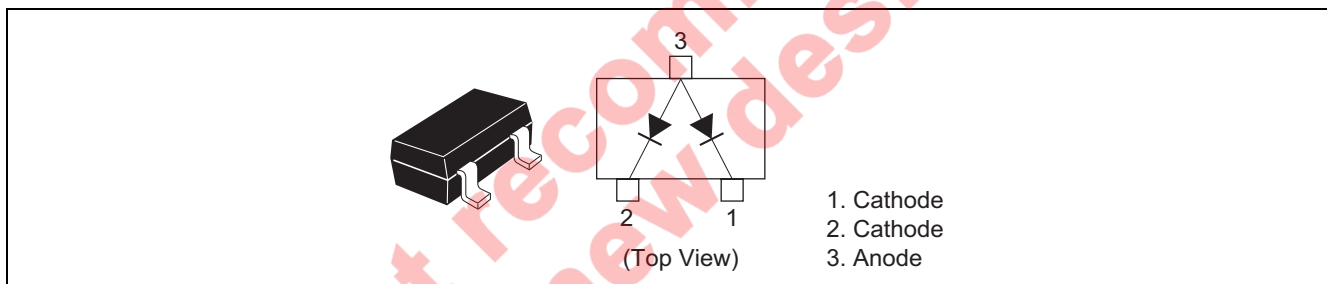
Features

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

Ordering Information

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
HZM27WA	27A	MPAK	PLSP0003ZC-A (MPAK)

Pin Arrangement



Absolute Maximum Ratings

(Ta = 25°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 *1

(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	Vz	25.10	—	28.90	V	Iz = 2 mA, 40 ms pulse
Reverse current	IR	—	—	2	μA	VR = 21 V
Capacitance	C	—	(27) *2	—	pF	VR = 0 V, f = 1 MHz
Dynamic resistance	rd	—	—	70	Ω	Iz = 2 mA
ESD-Capability *3	—	30	—	—	kV	C = 150 pF, R = 330 Ω, Both forward and reverse direction 10 pulse

Notes: 1. Per one device.

2. Reference only.

3. Failure criterion ; IR > 2 μA at VR = 21 V

Not recommended
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Main Characteristic

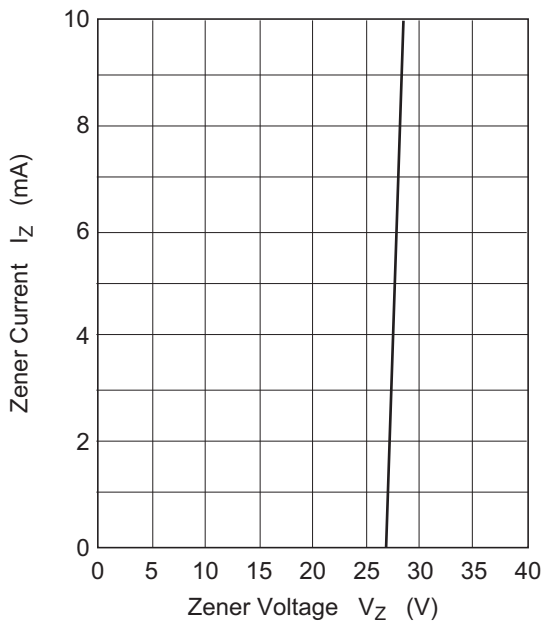


Fig.1 Zener Current vs. Zener Voltage

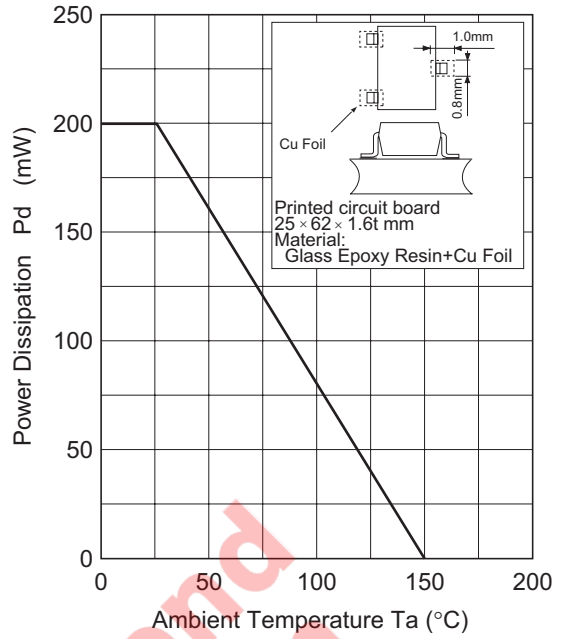


Fig.2 Power Dissipation vs. Ambient Temperature

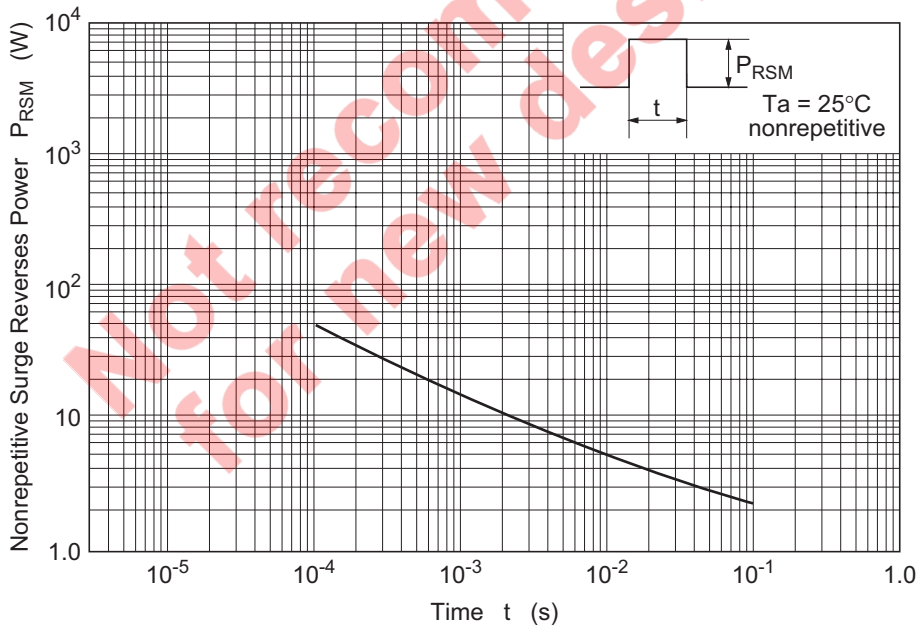


Fig.3 Surge Reverse Power Ratings

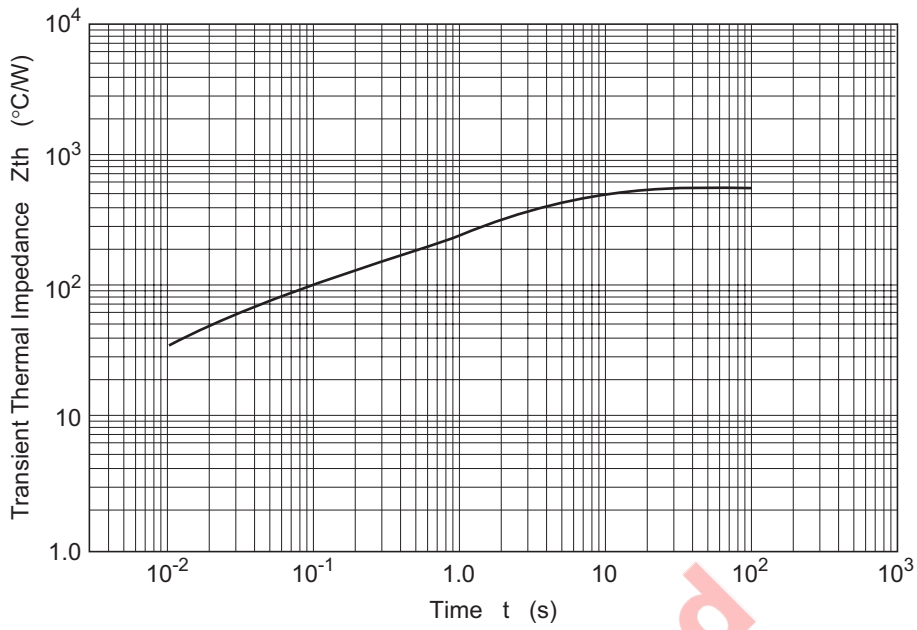
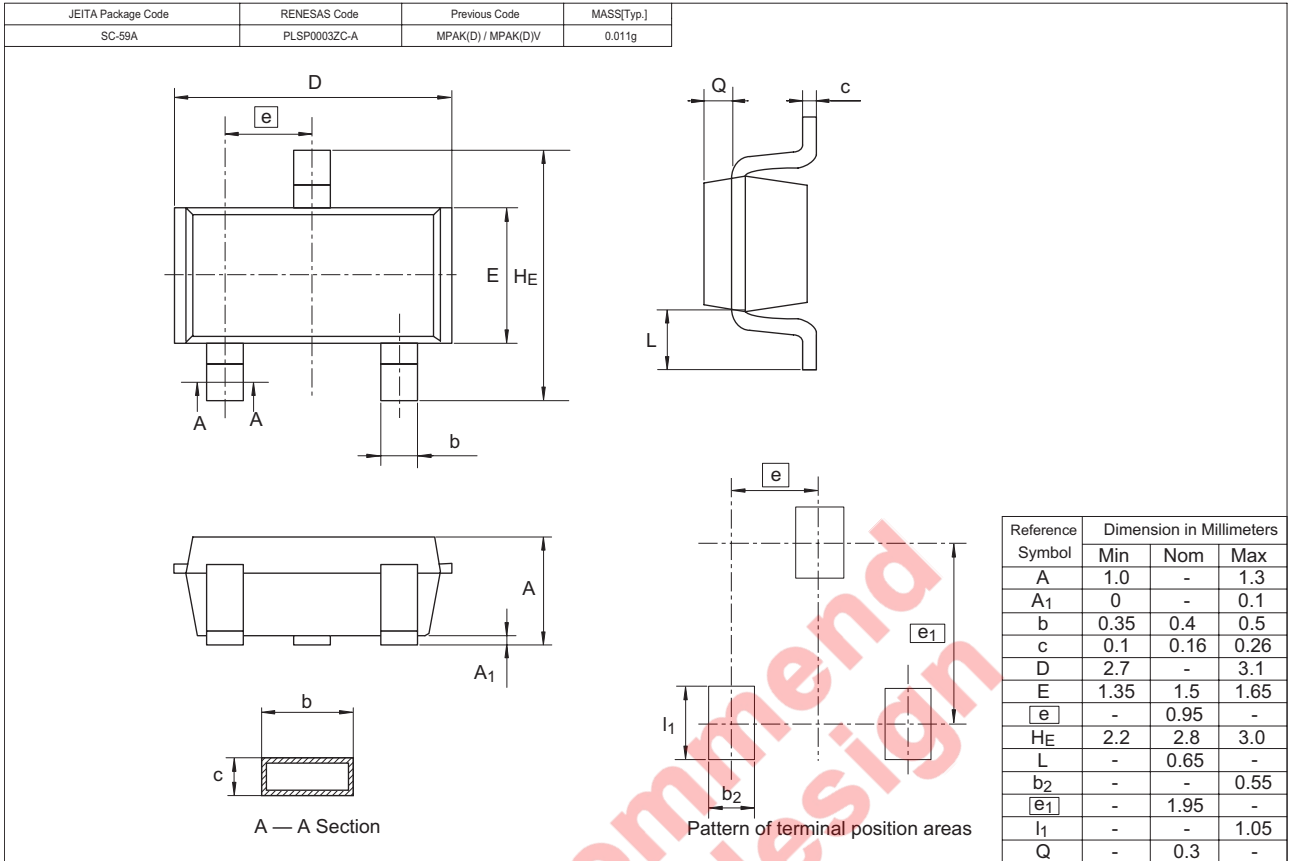


Fig.4 Transient Thermal Impedance

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Package Dimensions



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