

HZM3.3WA

Silicon Epitaxial Planar Zener Diode for Surge Absorb

REJ03G1205-0200
(Previous: ADE-208-1458A)
Rev.2.00
Jun 03, 2005

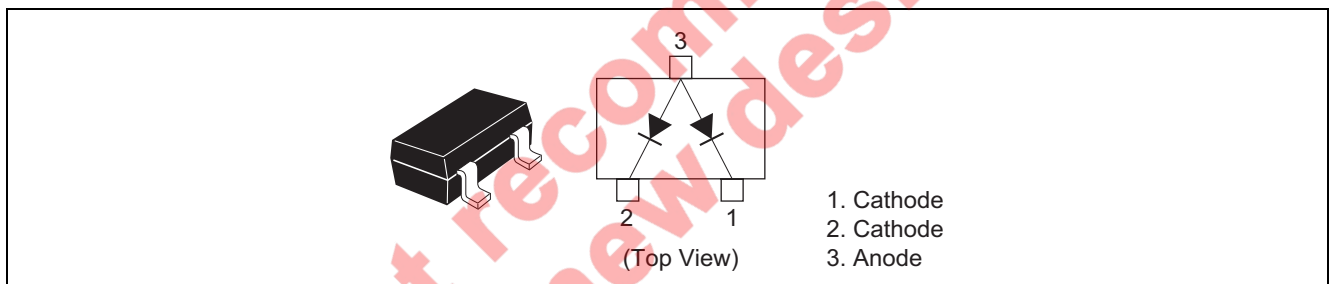
Features

- HZM3.3WA 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)
HZM3.3WA	33A	MPAK	PLSP0003ZC-A (MPAK)

Pin Arrangement



Absolute Maximum Ratings

(Ta = 25°C)

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

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

Electrical Characteristics *¹

(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	V _Z	3.10	—	3.50	V	I _Z = 5 mA, 40 ms pulse
Reverse current	I _R	—	—	20	μA	V _R = 1.0 V
Dynamic resistance	r _d	—	—	130	Ω	I _Z = 5 mA
ESD-Capability * ²	—	30	—	—	kV	C = 150 pF, R = 330 Ω, Both forward and reverse direction 10 pulse

Notes: 1. Per one device

2. Failure criterion ; I_R > 20 μA at V_R = 1.0 V.

Not recommended
for new design

Main Characteristic

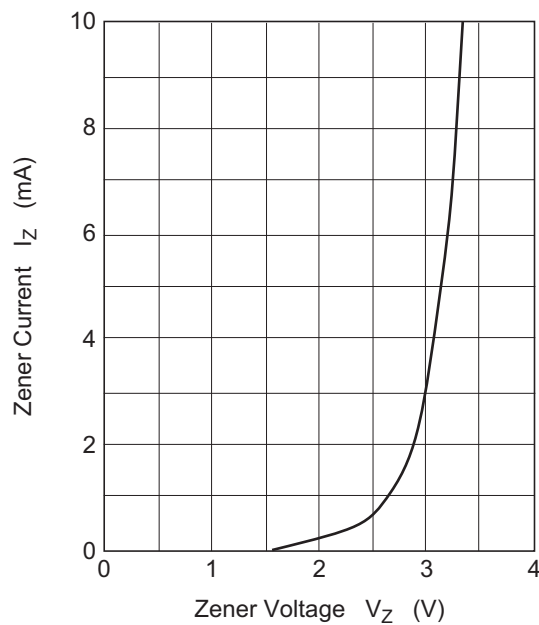


Fig.1 Zener current vs. Zener voltage

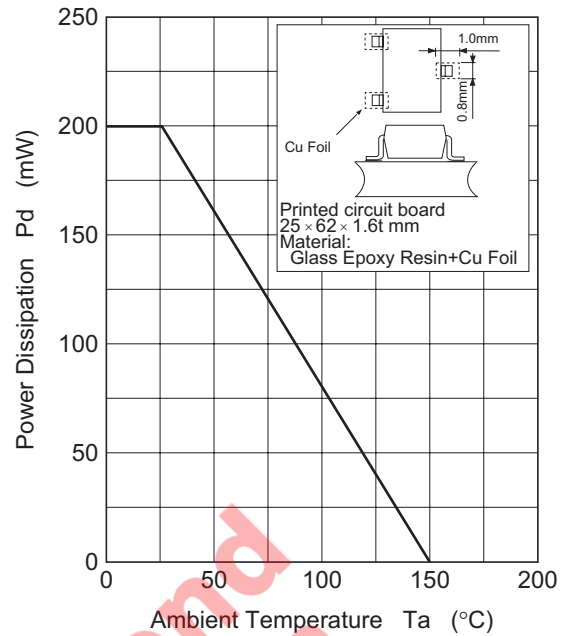


Fig.2 Power Dissipation vs. Ambient Temperature

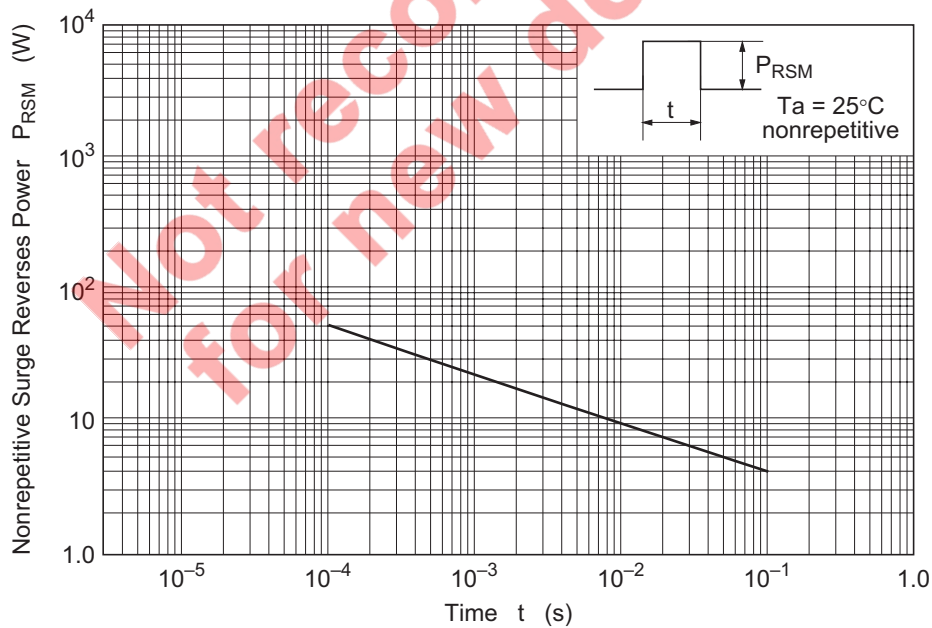


Fig.3 Surge Reverse Power Ratings

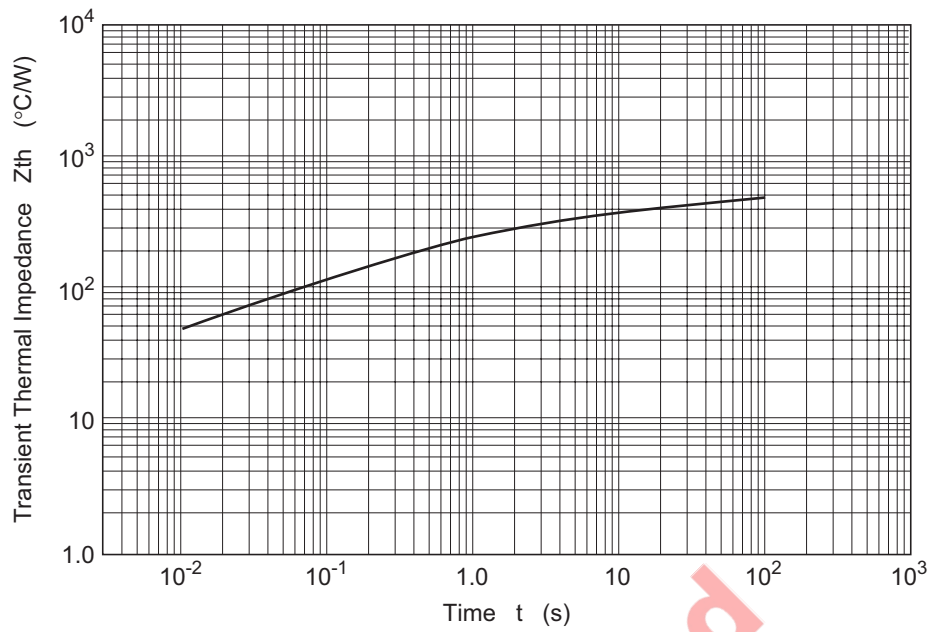
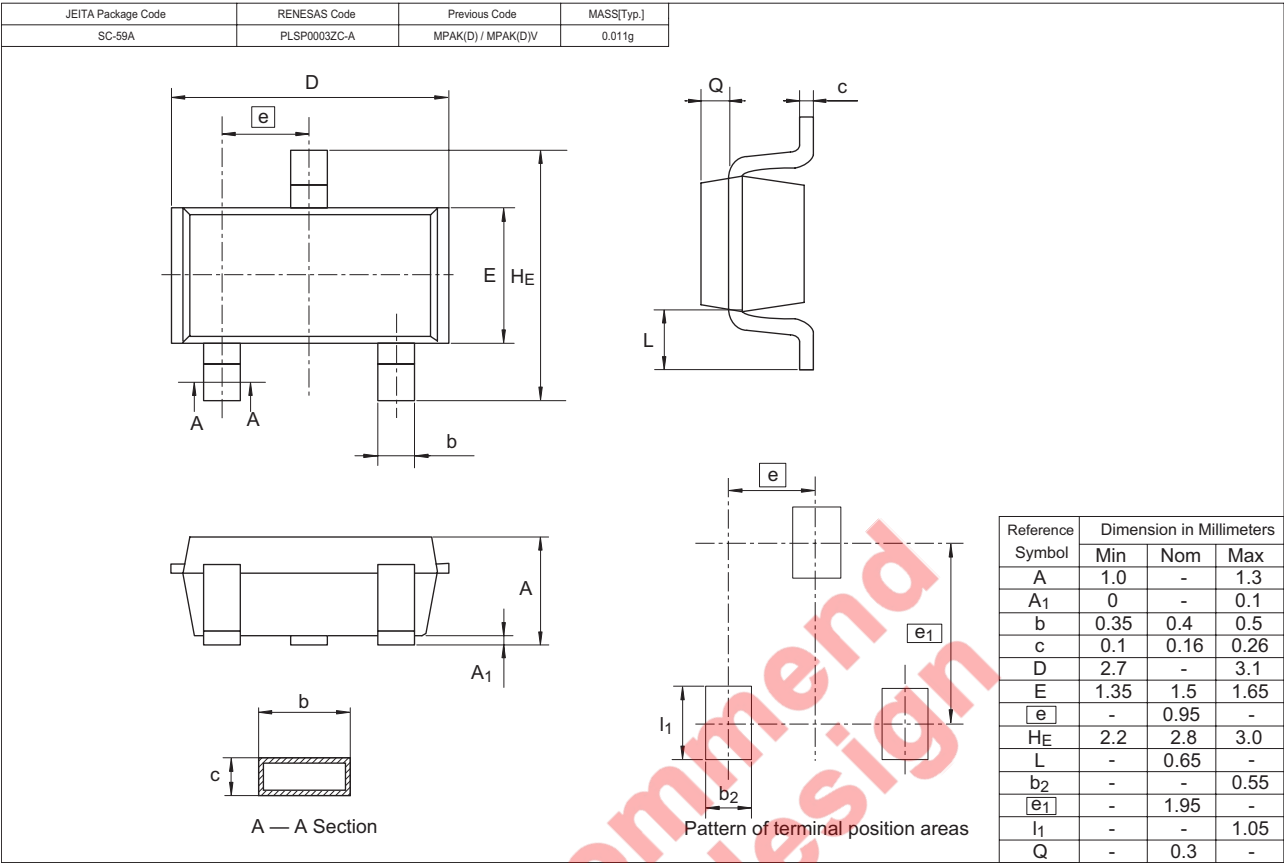


Fig.4 Transient Thermal Impedance

Not recommended
for new design

Package Dimensions



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April 1st, 2010
Renesas Electronics Corporation

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