

# HZM27FA

## Silicon Epitaxial Planar Zener Diode for Surge Absorb

REJ03G1213-0400  
 (Previous: ADE-208-443C)  
 Rev.4.00  
 Jun 14, 2005

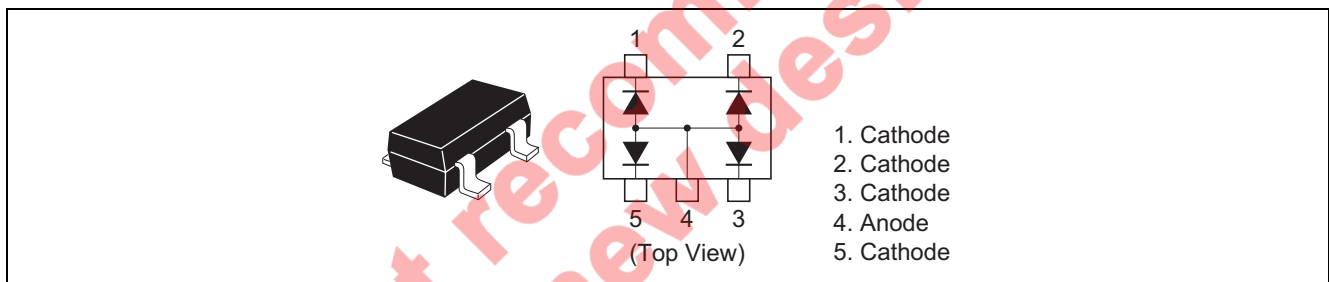
### Features

- HZM27FA has four devices, and can absorb surge.
- MPAK-5 Package is suitable for high density surface mounting and high speed assembly.

### Ordering Information

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
HM27FA	27A	MPAK-5	PLSP0005ZC-A (MPAK-5)

### 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: Four device total, See Fig.2.

## Electrical Characteristics \*1

(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	V <sub>Z</sub>	25.10	—	28.90	V	I <sub>Z</sub> = 2 mA, 40 ms pulse
Reverse current	I <sub>R</sub>	—	—	2	μA	V <sub>R</sub> = 21 V
Capacitance	C	—	(27) *2	—	pF	V <sub>R</sub> = 0 V, f = 1 MHz
Dynamic resistance	r <sub>d</sub>	—	—	70	Ω	I <sub>Z</sub> = 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 ; I<sub>R</sub> > 2 μA at V<sub>R</sub> = 21 V

Not recommended for new design

Main Characteristic

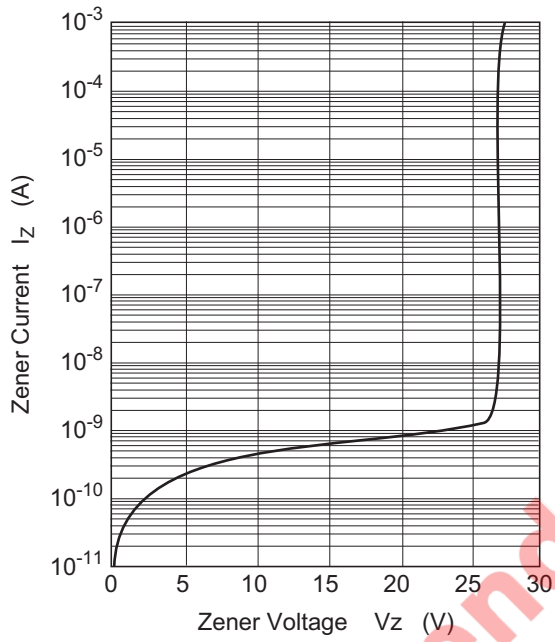


Fig.1 Zener current vs. Zener voltage

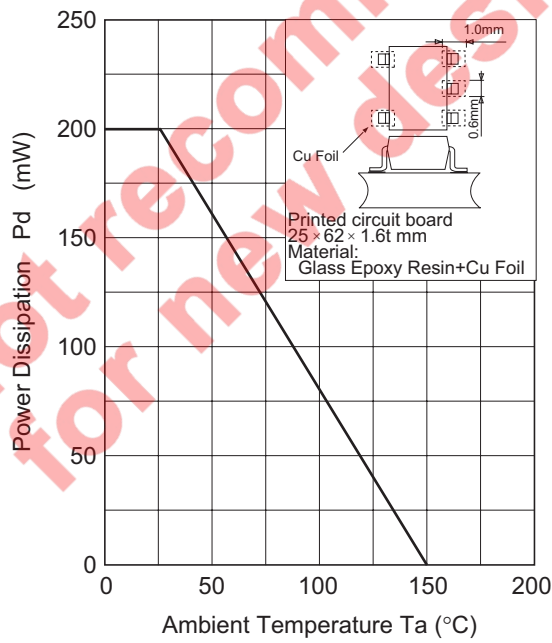
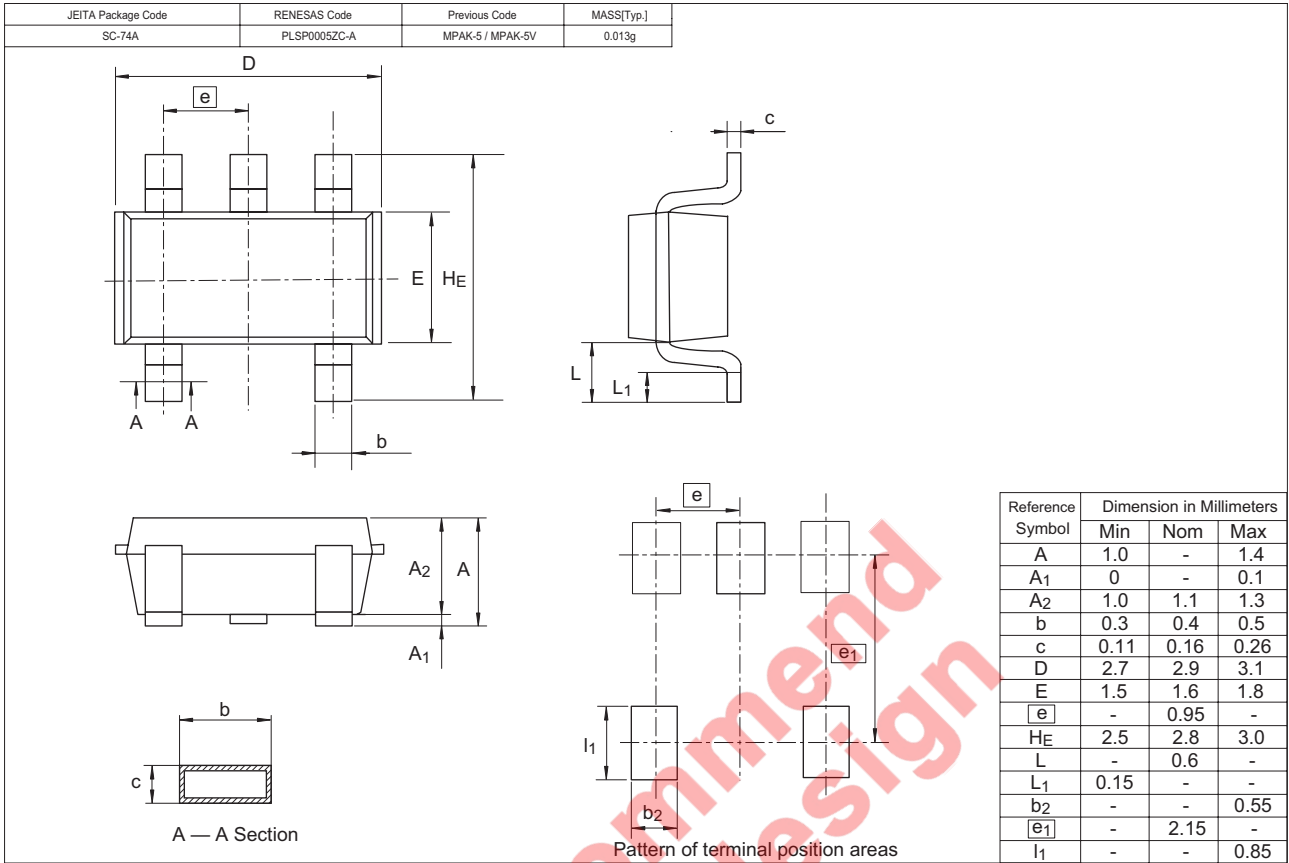


Fig.2 Power Dissipation vs. Ambient Temperature

Package Dimensions



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April 1<sup>st</sup>, 2010  
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Not recommended  
for new design

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