

HZM27FA

Silicon Epitaxial Planar Zener Diode for Surge Absorb

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

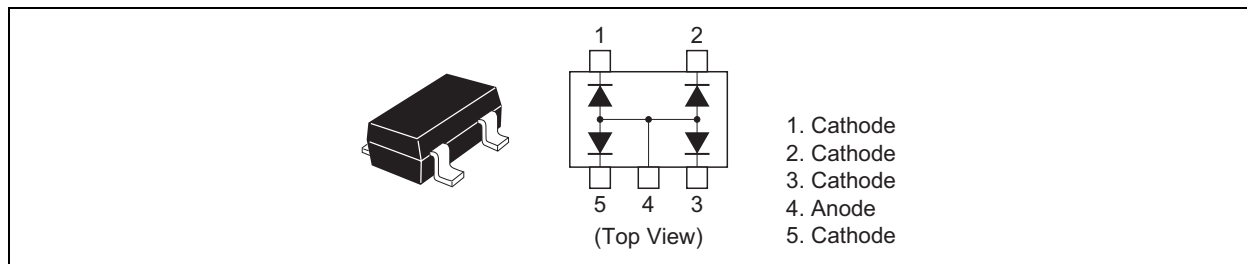
Features

- 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

(T_a = 25°C)

Item	Symbol	Value	Unit
Power dissipation	P _d *	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note: Four device total, See Fig.2.

Electrical Characteristics *1

(T_a = 25°C)

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

Main Characteristic

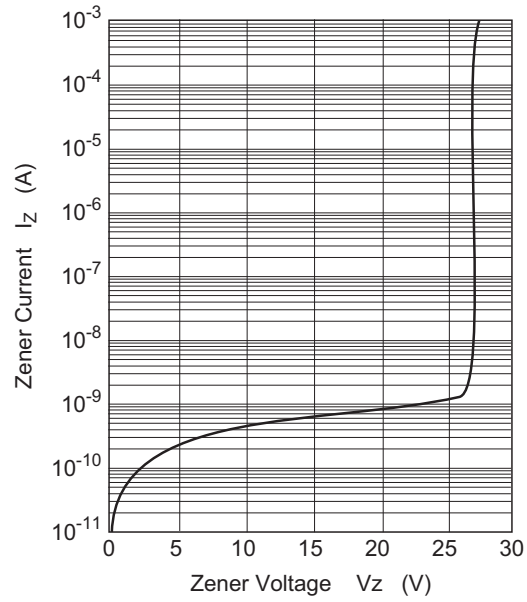


Fig.1 Zener current vs. Zener voltage

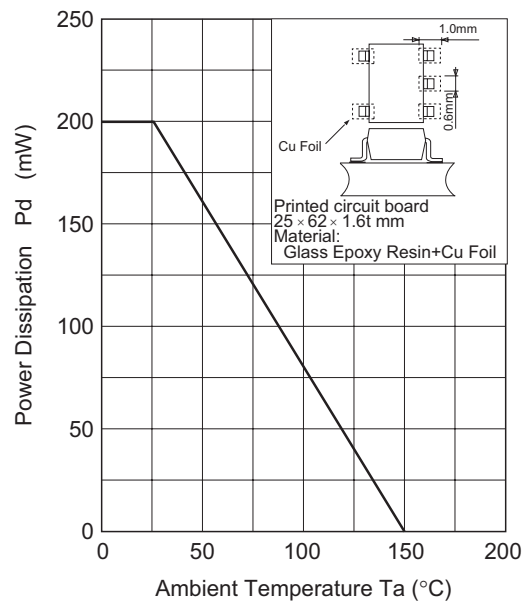
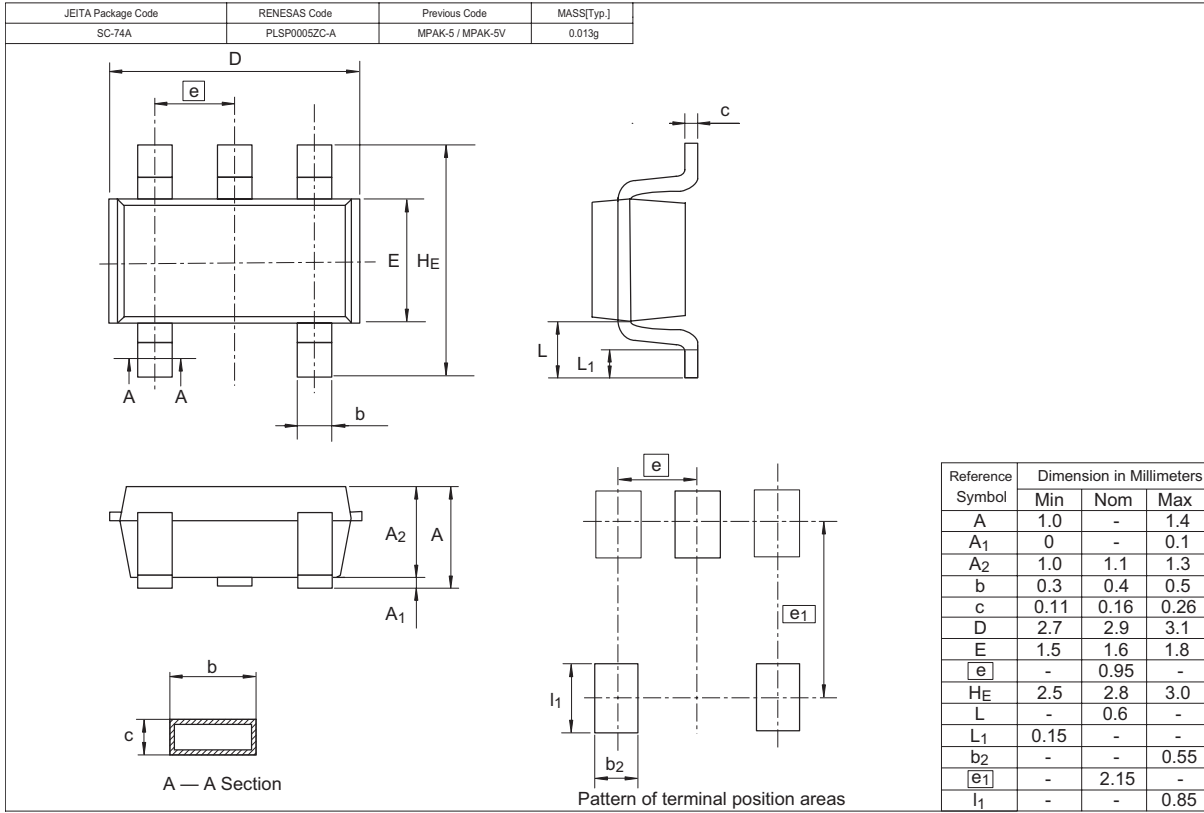


Fig.2 Power Dissipation vs. Ambient Temperature

Package Dimensions



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