HZM27FA

Silicon Epitaxial Planar Zener Diode for Surge Absorb

HITACHI

ADE-208-443A(Z)
Rev 1
September 1996

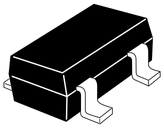
Features

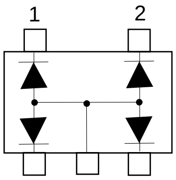
- HZM27FA has four devices, and can absorb external + and -surge.
- MPAK Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HZM27FA	27A	MPAK-5

Outline





(Top View)

1 Cathode
2 Cathode
3 Cathode
4 Anode
5 Cathode

HZM27FA

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. Four device total, With P.C board.

Electrical Characteristics (Ta = 25°C) *1

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

Notes 1. Per one device.
2. Failure criterion ; IRÅÑ2 µA at VR = 21V.
3. Reference only.

Main Characteristic

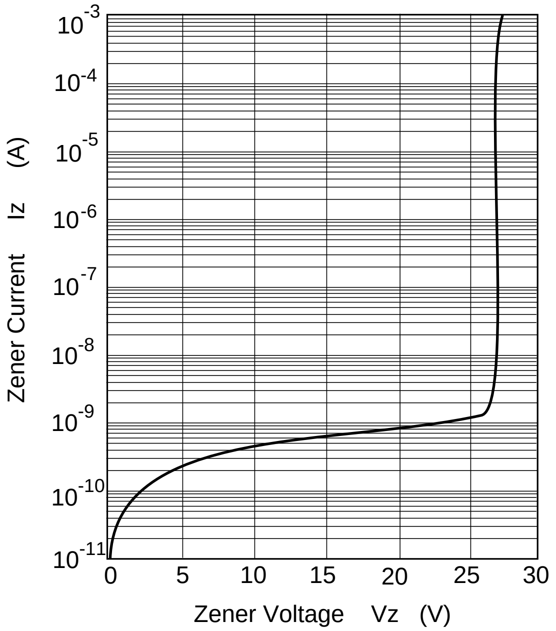


Fig.1 Zener current Vs. Zener voltage

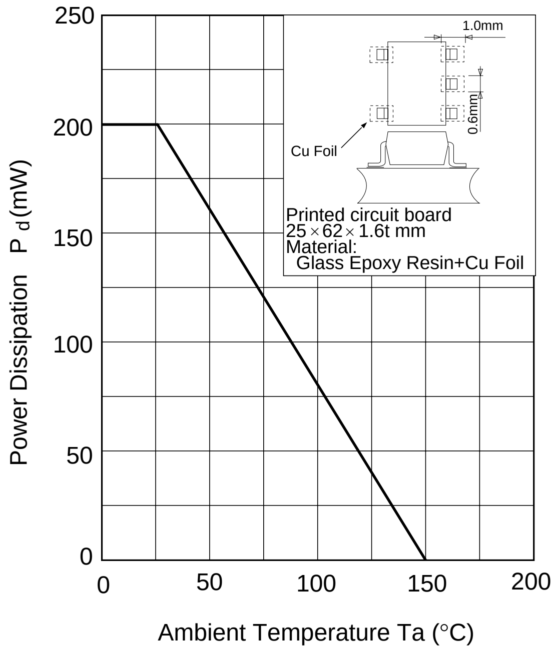
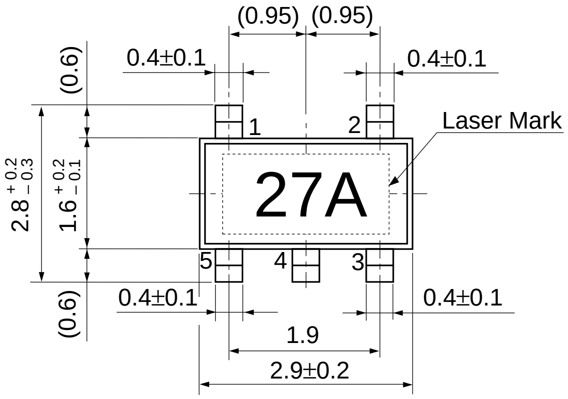


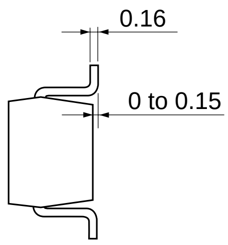
Fig.2 Power Dissipation Vs. Ambient Temperature

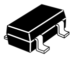
HZM27FA

Package Dimensions

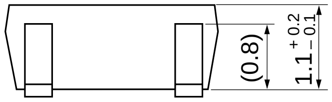
Unit : mm







1 Cathode
2 Cathode
3 Cathode
4 Anode
5 Cathode



Hitachi Code	MPAK-5
JEDEC Code	—
EIAJ Code	—
Weight (g)	0.013