

HZM6.8FA

Silicon Epitaxial Planar Zener Diode for Surge Absorb

HITACHI

ADE-208-442A(Z)

Rev 1

September 1996

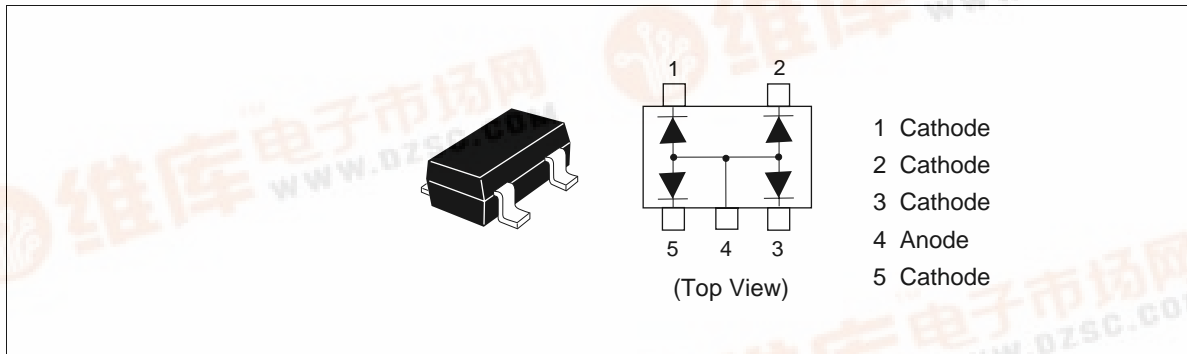
Features

- HZM6.8FA has four devices, and can absorb external + and -surge.
- MPAK-5 Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HZM6.8FA	68A	MPAK-5

Outline



HZM6.8FA

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}

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	V _Z	6.47	—	7.0	V	I _Z = 5 mA, 40ms pulse
Reverse current	I _R	—	—	2	μA	V _R = 3.5V
Capacitance	C	—	—	130	pF	V _R = 0V, f = 1 MHz
Dynamic resistance	r _d	—	—	30	Ω	I _Z = 5 mA
ESD-Capability	—	30	—	—	kV	C = 150pF, R = 330 Ω, Both forward and reverse direction 10 pulse ^{*2}

Notes 1. Per one device.

2. Failure criterion ; IR > 2 μA at VR = 3.5V.

Main Characteristic

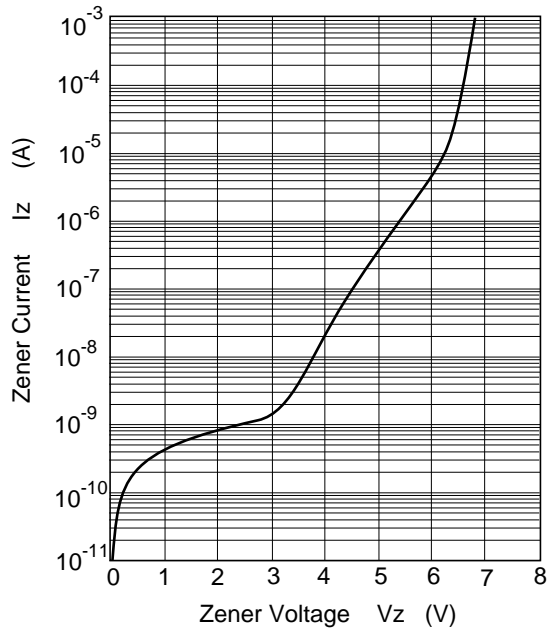


Fig.1 Zener current Vs. Zener voltage

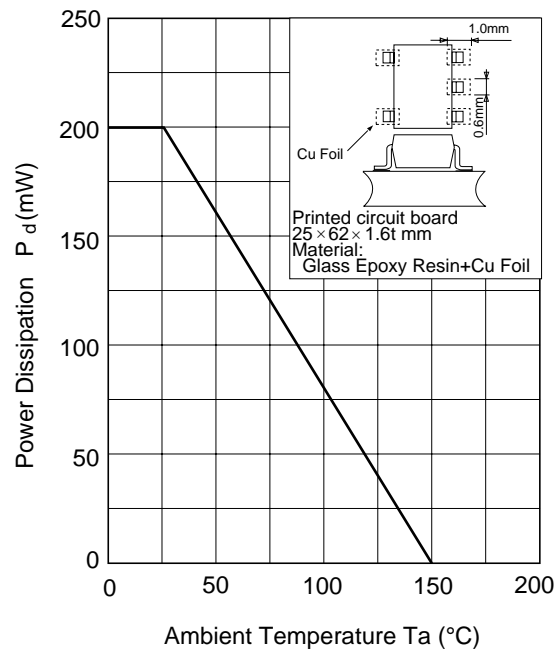
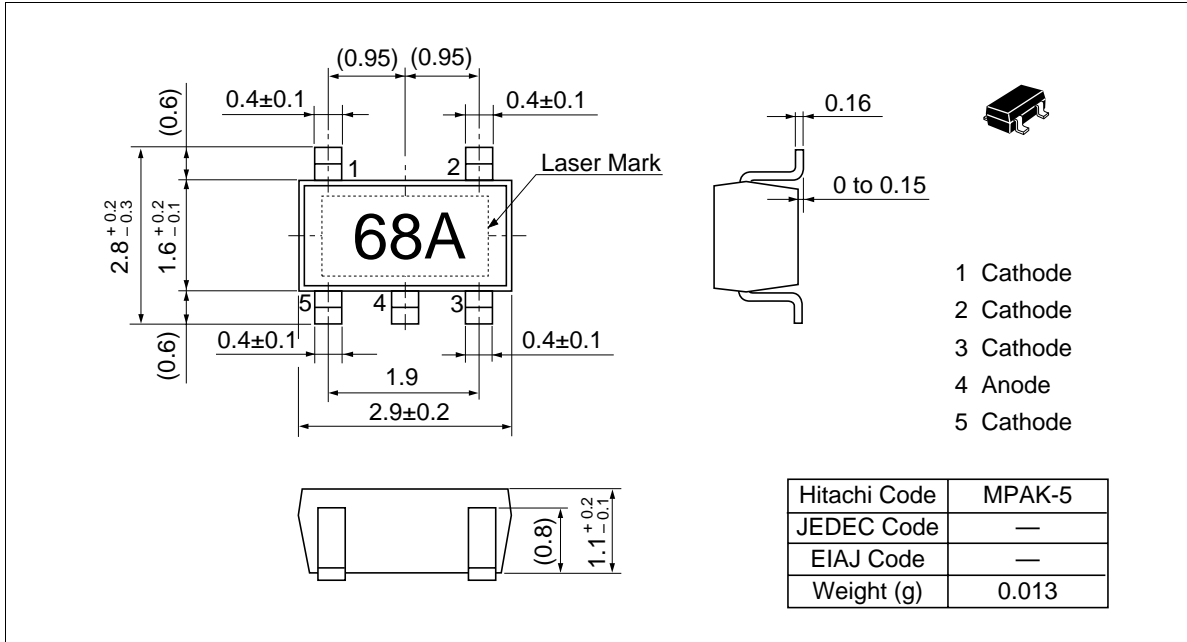


Fig.2 Power Dissipation Vs. Ambient Temperature

HZM6.8FA

Package Dimensions

Unit : mm



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