
HZM6.2ZFA

Silicon Epitaxial Planar Zener Diode for Surge Absorb

HITACHI

ADE-208-593 (Z)
Rev 0

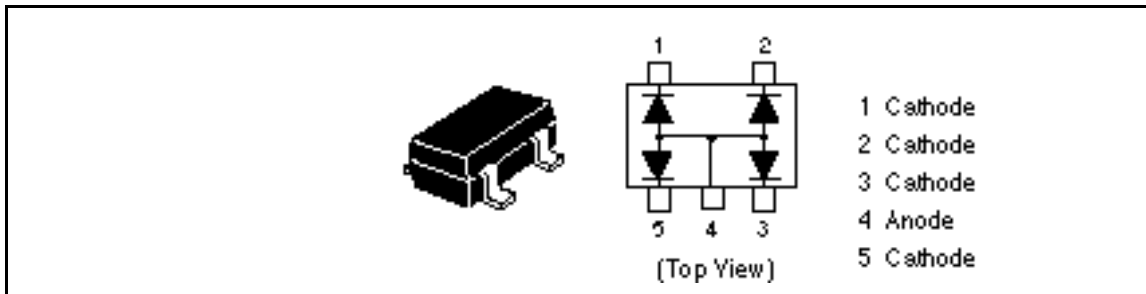
Features

- Σ HZM6.2ZFA has four devices, and can absorb external + and -surge.
- Σ Low capacitance ($C = 8.5\text{pF}$ max) and can protect ESD of signal line.
- Σ MPAK-5 package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HZM6.2ZFA	62Z	MPAK-5

Outline



HZM6.2ZFA

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

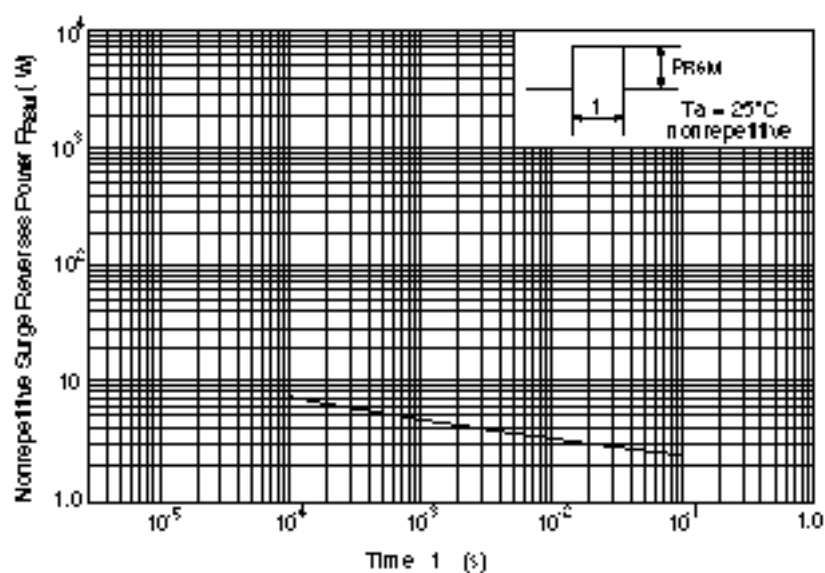
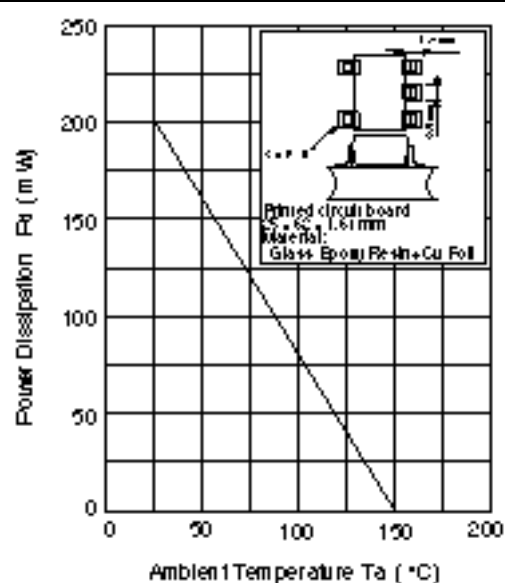
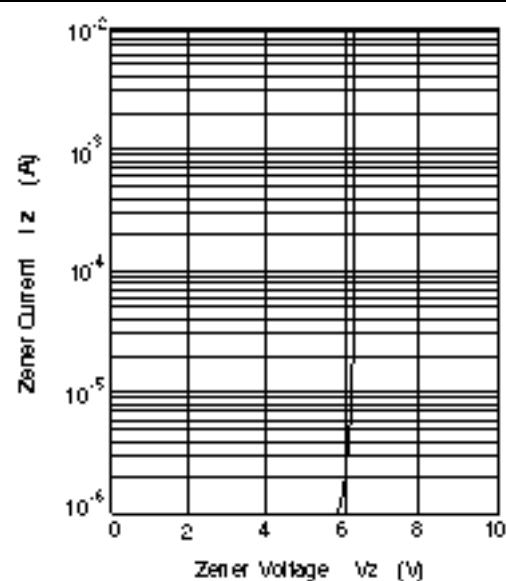
Note: 1. Four device total, See Fig.2.

Electrical Characteristics (Ta = 25°C) ^{*1}

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	V _z	5.90	—	6.50	V	I _z = 5 mA, 40ms pulse
Reverse current	I _R	—	—	3	mA	V _R = 5.5 V
Capacitance	C	—	8.0	8.5	pF	V _R = 0 V, f = 1 MHz
Dynamic resistance	r _d	—	—	60	W	I _z = 5 mA
ESD-Capability ^{*2}	—	13	—	—	kV	C =150 pF, R = 330 W, Both forward and reverse direction 10 pulse

Notes: 1. Per one device.

2. Failure criterion ; I_R ≥ 3 mA at V_R = 5.5 V.



Main Characteristic (cont)