

# HZU6.8L

Silicon Epitaxial Planar Zener Diode for Surge Absorb

# HITACHI

ADE-208-678(Z)

Rev 0

Jul. 1998

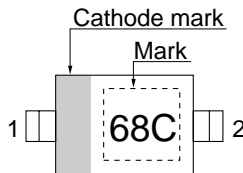
## Features

- Lower reverse current leakage compared with conventional products.
- Ultra small Resin Package (URP) is suitable for surface mount design.

## Ordering Information

Type No.	Laser Mark	Package Code
HZU6.8L	68C	URP

## Outline



1. Cathode
2. Anode

## 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 1. See Fig.2.

## Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	V <sub>Z</sub>	6.47	—	7.14	V	I <sub>Z</sub> = 5 mA, 40ms pulse
Reverse current	I <sub>R</sub>	—	—	20	nA	V <sub>R</sub> = 5.0V
Dynamic resistance	r <sub>d</sub>	—	—	30	Ω	I <sub>Z</sub> = 5 mA

Main Characteristic

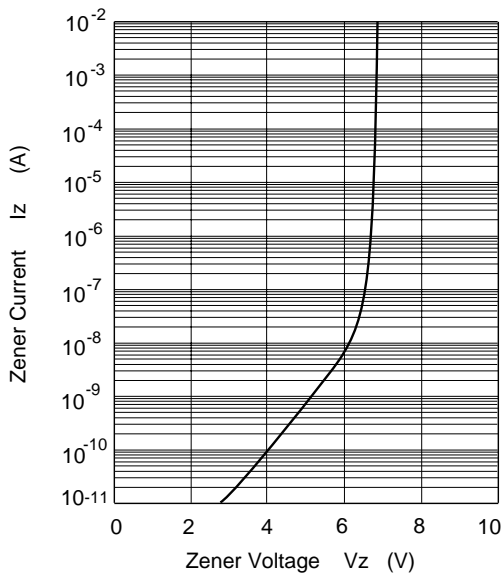


Fig.1 Zener current Vs. Zener voltage

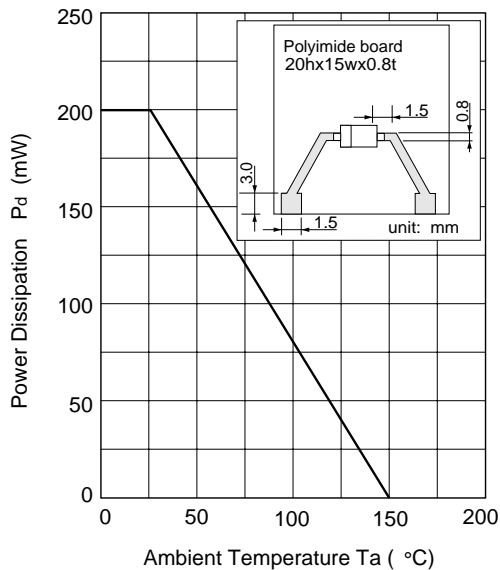


Fig.2 Power Dissipation Vs. Ambient Temperature

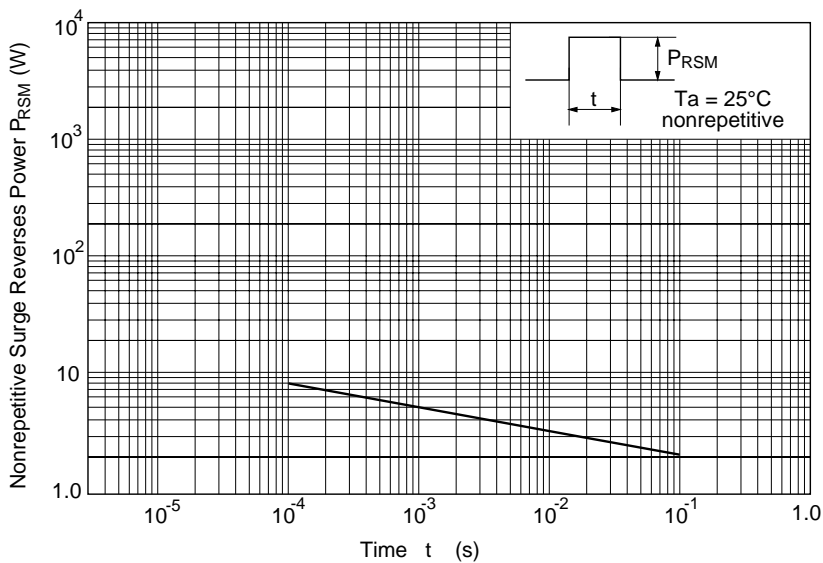


Fig.3 Surge Reverse Power Ratings

Main Characteristic

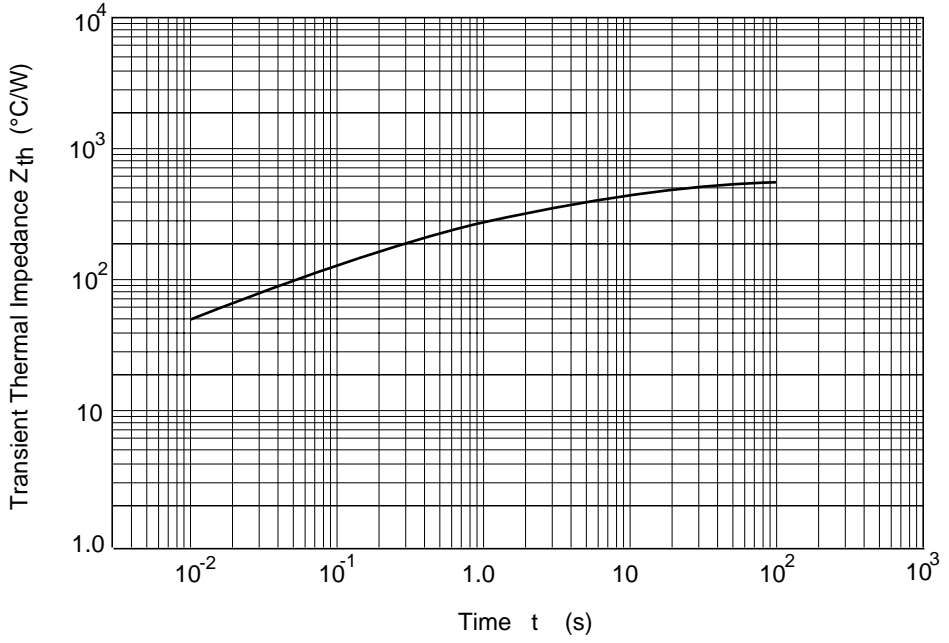
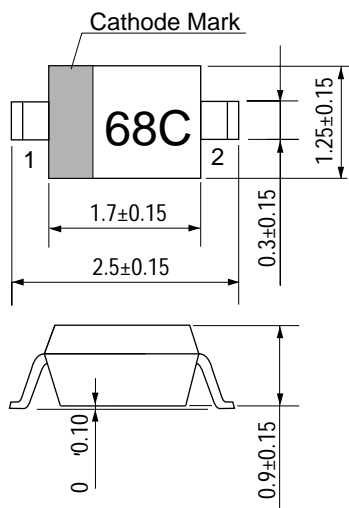


Fig.4 Transient Thermal Impedance

Package Dimensions

Unit : mm



- 1. Cathode
- 2. Anode

Hitachi Code	URP
JEDECCode	—
EIAJCode	—
Weight(g)	0.004

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