

HZU6.8L

Silicon Epitaxial Planar Zener Diode for Surge Absorb

HITACHI

ADE-208-678(Z)
Rev 0
Jul. 1998

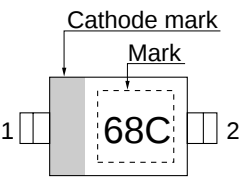
Features

- 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)

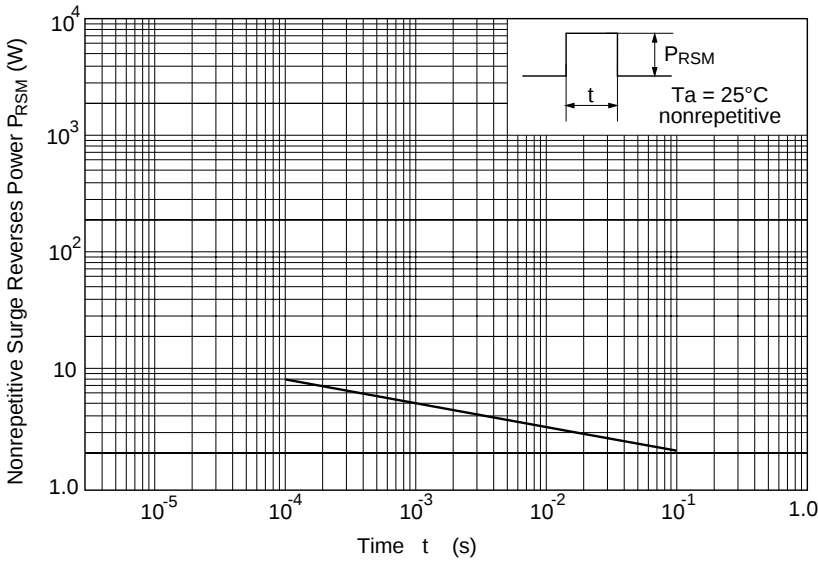
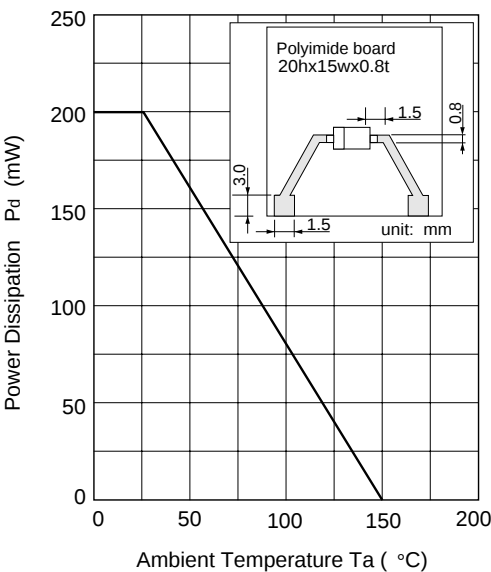
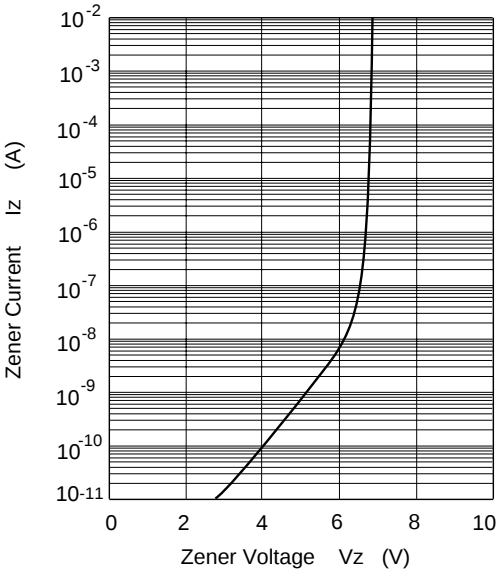
Item	Symbol	Value	Unit
Power dissipation	Pd ^{*1}	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note 1. See Fig.2.

Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	V _z	6.47	—	7.14	V	I _z = 5 mA, 40ms pulse
Reverse current	I _R	—	—	20	nA	V _R = 5.0V
Dynamic resistance	r _d	—	—	30	Ω	I _z = 5 mA

Main Characteristic



Main Characteristic

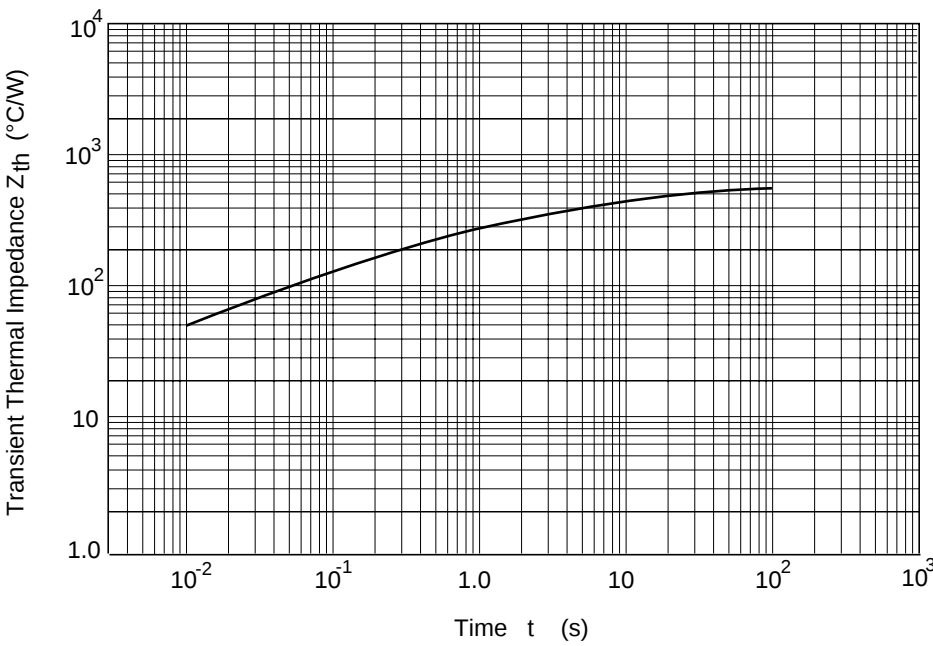
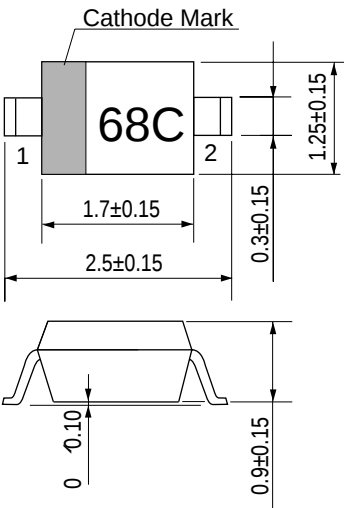


Fig.4 Transient Thermal Impedance

Package Dimensions

Unit : mm



- 1. Cathode
- 2. Anode

Hitachi Code	<i>URP</i>
JEDECCode	—
EIAJCode	—
Weight(g)	0.004

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