
HZU6.8L

Silicon Epitaxial Planar Zener Diode for Surge Absorb

HITACHI

ADE-208-678(Z)

Rev 0

July 1998

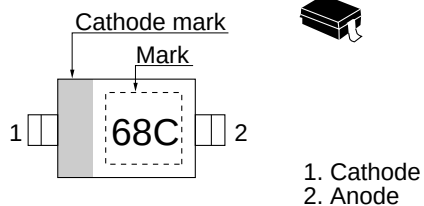
Features

- 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



HZU6.8L

Absolute Maximum Ratings (Ta = 25°C)

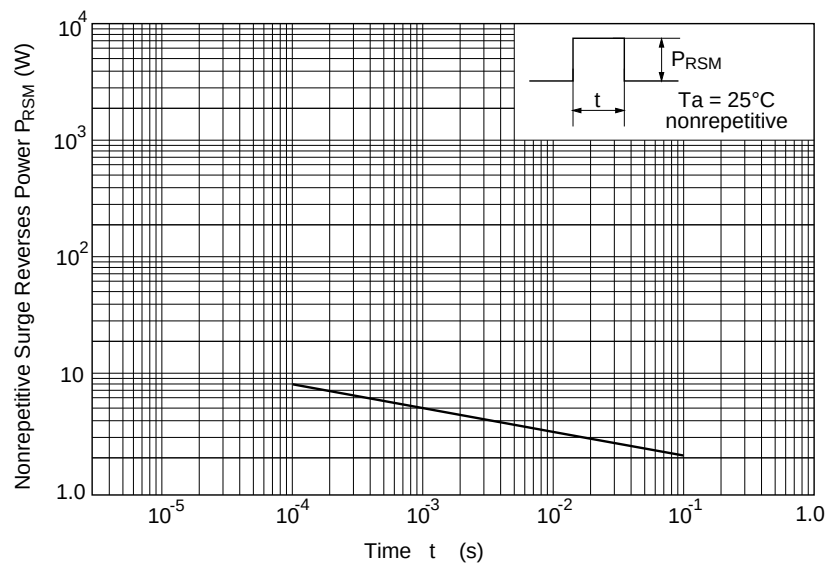
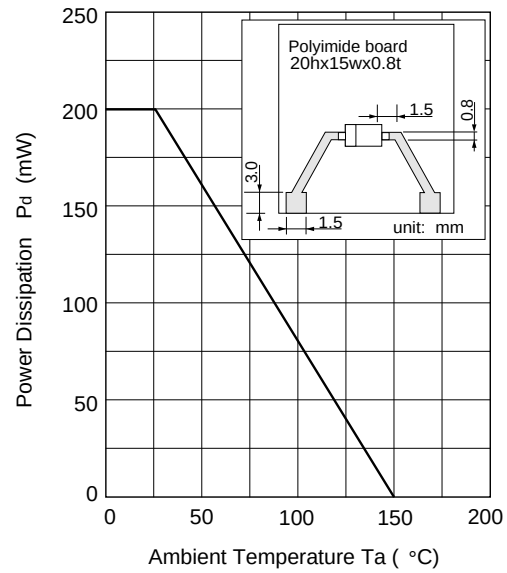
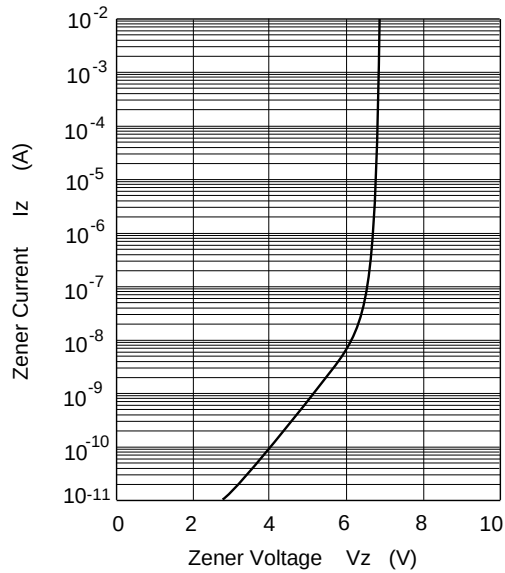
Item	Symbol	Value	Unit
Power dissipation	Pd ^{*1}	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

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



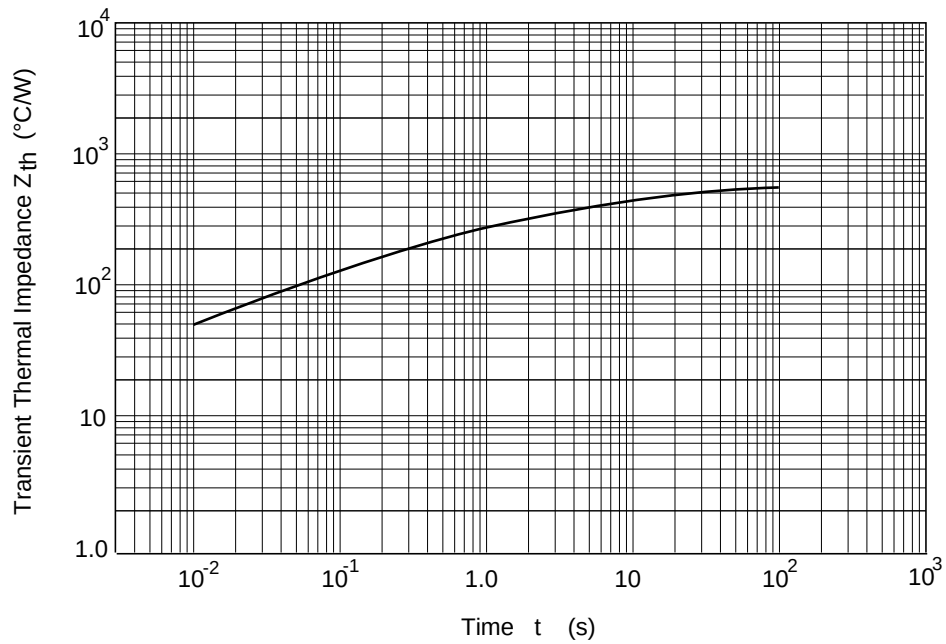
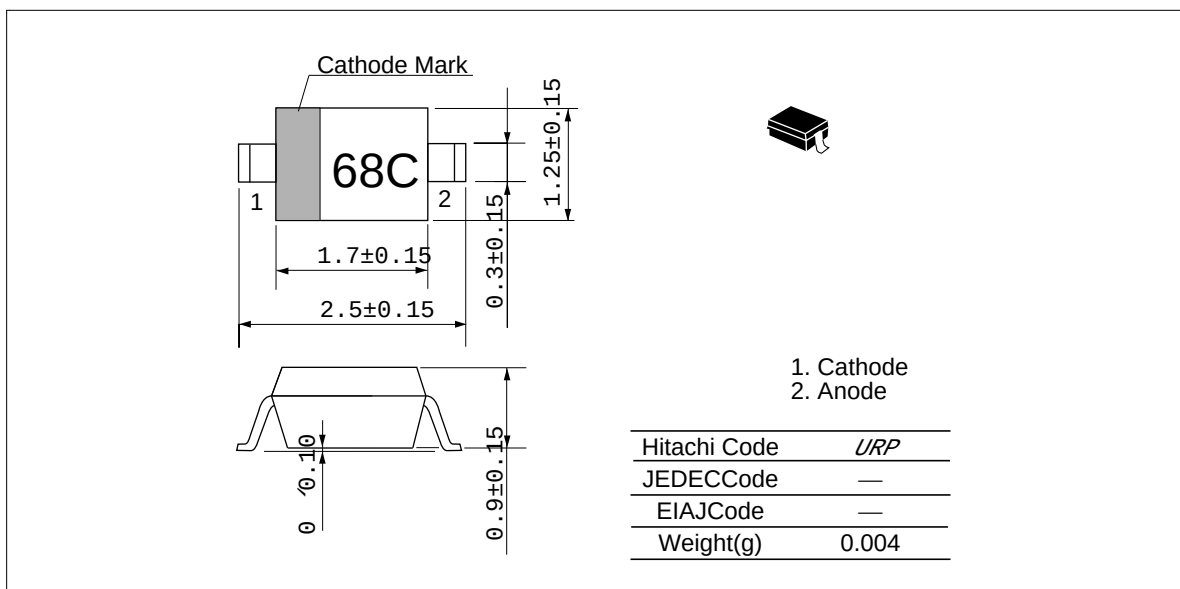
Main Characteristic

Fig.4 Transient Thermal Impedance

Package Dimensions

Unit : mm



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