

HZT33

Monolithic IC Zener Diode for Temperature Compensation

HITACHI

 Rev. 1
 Apr. 1995

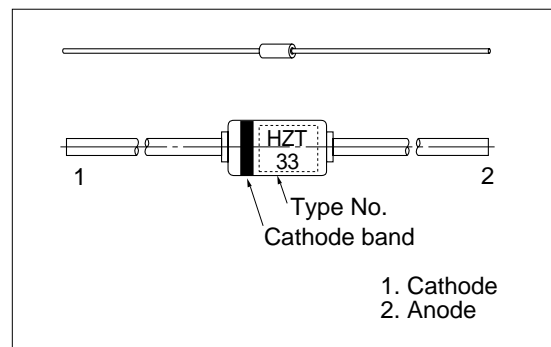
Features

- Lower temperature coefficient of the reference voltage.
 $(\gamma_Z = \pm 1 \text{ mV}/^\circ\text{Cmax})$
- Lower dynamic resistance.

Ordering Information

Type No.	Mark	Package Code
HZT33	Type No.	DO-35

Outline



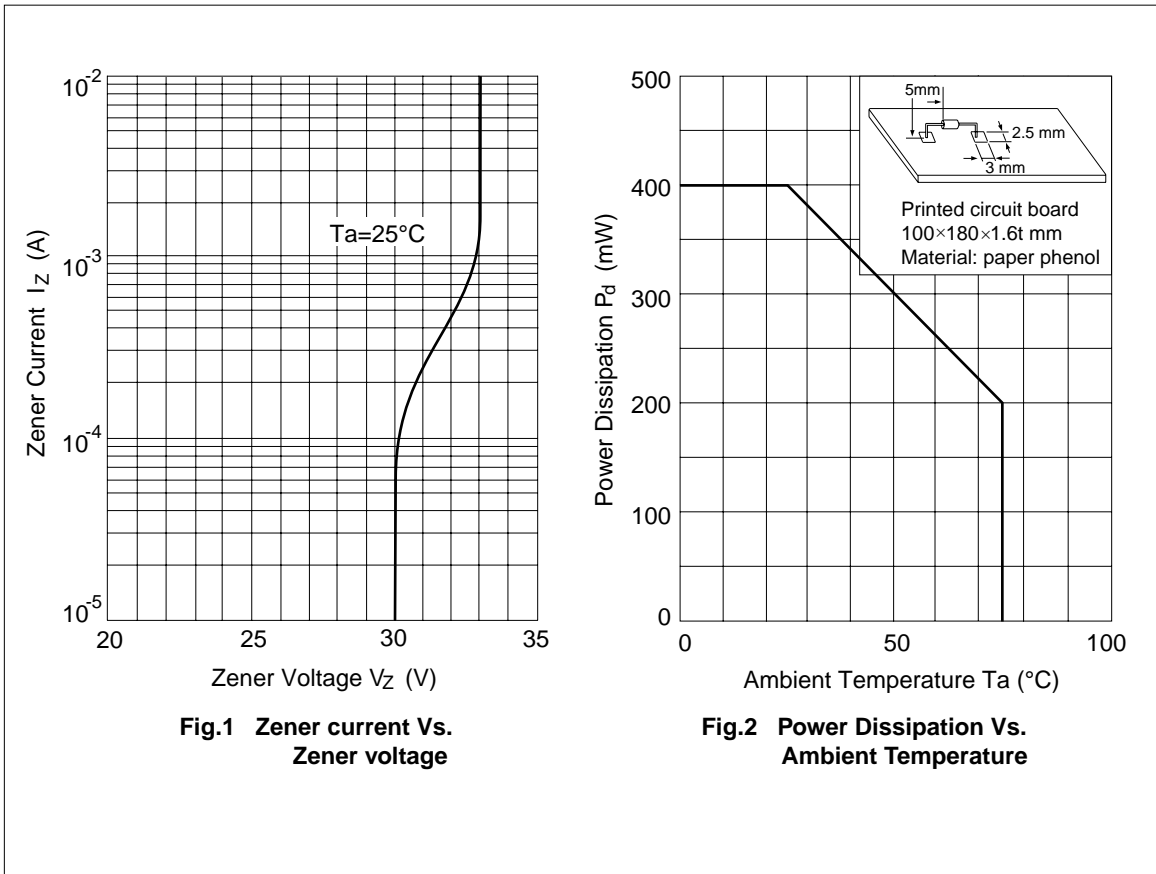
Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Value	Unit
Power dissipation	P_d	200	mW
Operation temperature	T_{opr}	-20 to + 75	°C
Storage temperature	T_{stg}	-40 to +175	°C

Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	V_Z	31.0	—	35.0	V	$I_Z = 5 \text{ mA}$
Dynamic resistance	r_d	—	—	25.0	Ω	$I_Z = 5 \text{ mA}$
Temperature coefficient	γ_Z	—	—	± 1.0	mV/°C	$I_Z = 5 \text{ mA}$ $T_a = -20 \text{ to } 25 \text{ to } 75^\circ\text{C}$

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Package Dimensions

Unit: mm

