

Silicon Zener Diode

Features

- Low leakage current

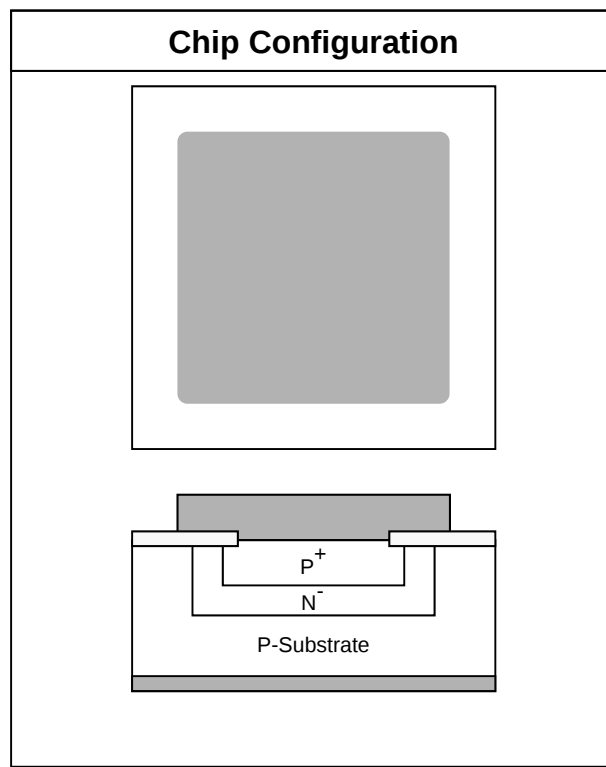
Structure

- Bidirectional Vertical PNP
- Top electrode : Gold
- Bottom electrode : Gold

Size

- Chip size : 8.5 mil × 8.5 mil (215 μm × 215 μm)*
- Thickness : 125 ± 20μm
- Pad size : 140(±5) μm × 140(±5) μm

* Including scribe line. The chip size is about 195 μm × 195 μm after sawing.



Electrical Characteristics (Ta = 25 °C)

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 5 \text{ mA}$	5.5	7.0	8.5	V
Forward Leakage Current	I_F	$V_F = 4 \text{ V}$	-	-	0.1	μA
Reverse Voltage	V_Z	$I_Z = 5 \text{ mA}$	6.5	7.5	9.5	V
Reverse Leakage Current	I_R	$V_R = 4 \text{ V}$	-	-	0.1	μA

Equivalent Circuit

