

Silicon Zener Diode

Feature

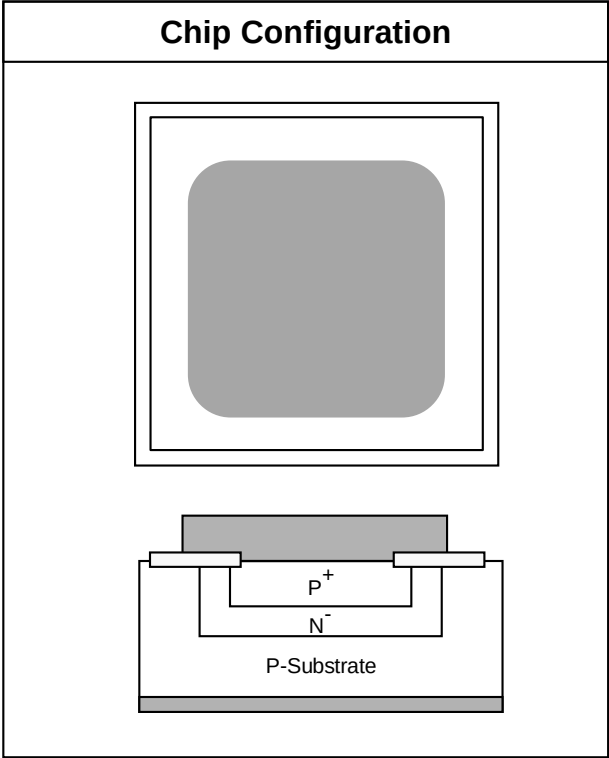
- Low leakage current

Structure

- Bidirectional Vertical Structure
- Single Pad
- Top electrode : Aluminum
- Bottom electrode : Gold

Size

- Chip size : 150(±15) μm x 150(±15) μm
- Thickness : 100(±15) μm
- Pad size : 100(±5) μm x 100(±5) μm



Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 5 mA	5.5	-	7.5	V
Forward Leakage Current	I _F	V _F = 4 V	-	-	100	nA
Reverse Voltage	V _z	I _z = 5 mA	5.5	-	7.5	V
Reverse Leakage Current	I _R	V _R = 4 V	-	-	100	nA

Absolute Maximum Rating (Ta = 25°C)

Parameter	Symbol	Maximum Rating	Unit
Power dissipation	P _d	50	mW
Junction Temperature	I _j	150	°C

Equivalent Circuit

