

Silicon Zener Diode

Features

- Low leakage current
- Low differential resistance
- Strong ESD endurance

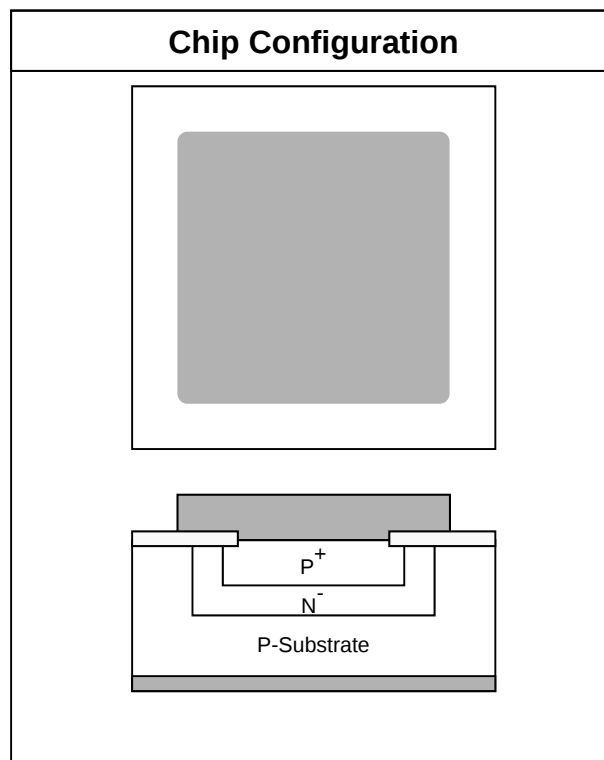
Structure

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

Size

- Chip size : 8.5 mil × 8.5 mil (215 μm × 215 μm)*
- Thickness : 100 ± 20 μm
- Pad size : 0.137(±0.005) mm × 0.137(±0.005) mm

* The chip size is about 0.2 (±0.01) mm × 0.2(±0.01) mm after sawing



Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 1\text{mA}$	14	-	21	V
Forward Leakage Current	I_F	$V_F = 10\text{ V}$	-	-	1	μA
Reverse Voltage	V_Z	$I_R = 1\text{mA}$	14	-	19	V
Reverse Leakage Current	I_R	$V_Z = 10\text{V}$	-	-	1	μA

Equivalent Circuit

