

Silicon Zener Diode

Features

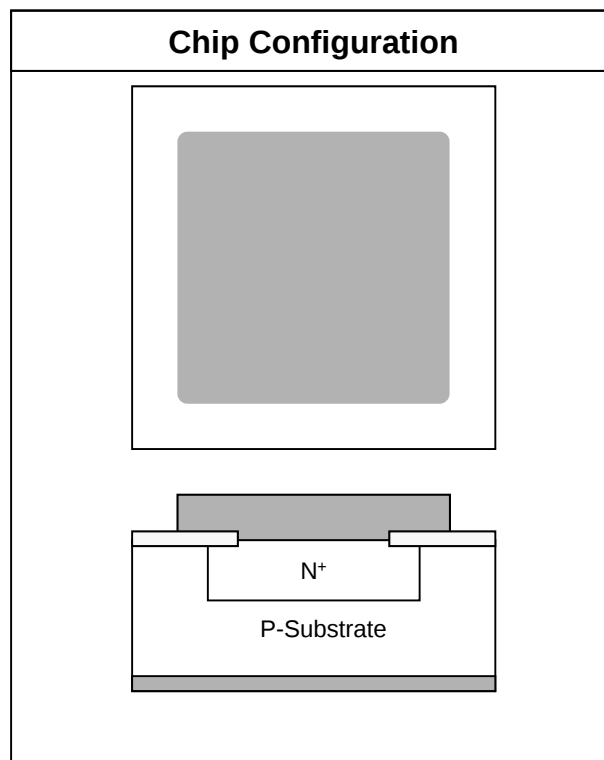
- Low leakage current
- Low differential resistance
- Strong ESD endurance

Structure

- Unidirectional N-Top
- Top electrode : Gold
- Bottom electrode : Gold

Size

- Chip size : 0.195(±0.02) mm x 0.195(±0.02) mm
- Thickness : 125 ± 20 μm
- Pad size : 0.14(±0.01) mm x 0.14(±0.01) mm



Electrical Characteristics (Ta = 25 °C)

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 5 \text{ mA}$	-	0.7	1.2	V
Zener Voltage	V_Z	$I_Z = 5 \text{ mA}$	6	7.5	9	V
Reverse Leakage Current	I_R	$V_R = 4 \text{ V}$	-	-	0.1	μA

Equivalent Circuit

