

Silicon Zener Diode

Feature

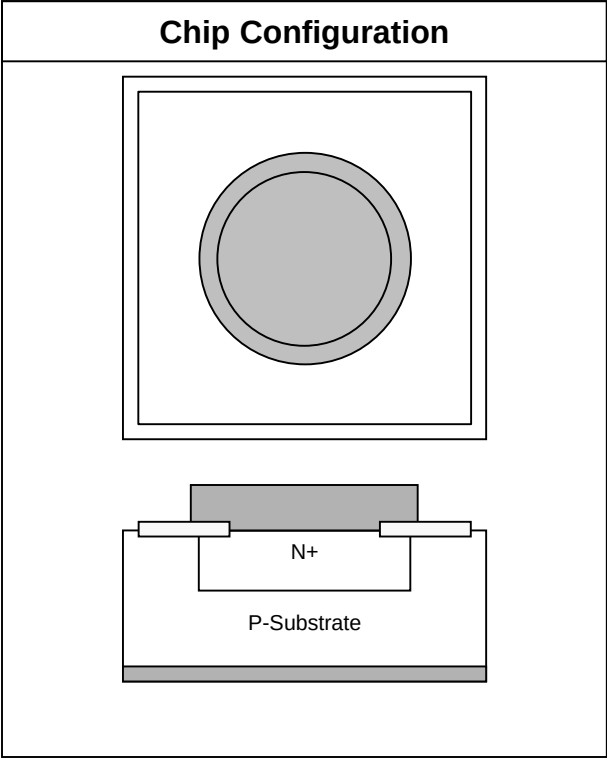
- Low leakage current

Structure

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

Size

- Chip size : 170(±20) μm x 170(±20) μm
- Thickness : 125(±20) μm
- Pad size : 90 μm(Φ)



Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 5\text{ mA}$		0.9	1.2	V
Zener Voltage	V_Z	$I_Z = 5\text{ mA}$	12.0	14.0	16.0	V
Reverse Leakage Current	I_R	$V_R = 4\text{ V}$	-	-	0.1	μA

Absolute Maximum Rating (Ta = 25°C)

Parameter	Symbol	Maximum Rating	Unit
Power dissipation	P_d	30	mW
Junction Temperature	I_j	150	°C

Equivalent Circuit

