
Number of valance electrons of atom used to dope in n type semi conductors

Pentavalent

List of pentavalent impurities used to dope N type semi conductors

- Arsenic
- Phosphorus

List of activities at n type semi conductors

- Form four valance bond with impurity and semiconductor
- Remain one free electron

Number of bonds formed by impurity in n type semiconductor with the semi conductor

4

Majority charge carriers in n type semi conductors

Free electrons

Minority charge carriers in n type semi conductors

Holes