



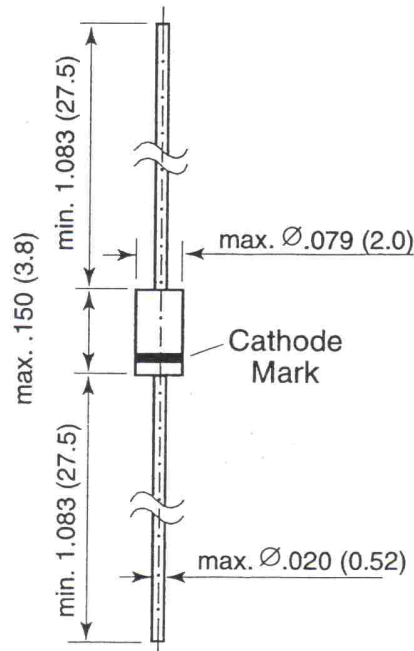
1N914

Vishay Semiconductors
formerly General Semiconductor

Small-Signal Diode



DO-204AH (DO-35 Glass)



Dimensions in inches and (millimeters)

Features

- Silicon Epitaxial Planar Diode
- For general purpose and switching

Mechanical Data

Case: DO-35 Glass Case

Weight: approx. 0.13g

Packaging Codes/Options:

F2/10K per Ammo tape (52mm tape), 50K/box

F3/10K per 13" reel (52mm tape), 50K/box

Maximum Ratings and Thermal Characteristics (T_A = 25°C unless otherwise noted)

| Parameter | Symbol | Limit | Unit |
|--|--------------------|-------|------|
| Peak Reverse Voltage | V _{RM} | 100 | V |
| Average Rectified Current | I _{F(AV)} | 75 | mA |
| Power Dissipation at T _{amb} = 25°C | P _{tot} | 500 | mW |
| Junction Temperature | T _j | 200 | °C |

Electrical Characteristics (T_J = 25°C unless otherwise noted)

| Parameter | Symbol | Test Condition | Min | Typ | Max | Unit |
|-----------------------|------------------|--|-----|-----|-----------|----------|
| Forward Voltage Drop | V _F | I _F = 10mA | — | — | 1.0 | V |
| Reverse Current | I _R | V _R = 20V V _R = 75V | — | — | 25 5.0 | nA µA |
| Reverse Recovery Time | t _{rr} | I _F = I _R = 10mA, V _R = 6V R _L = 100Ω, to I _{rr} = 1mA | — | — | 4.0 | ns |
| Capacitance | C _{tot} | V _R = 0, f = 1.0MHz | — | — | 4.0 | pF |