

1SV250

Silicon Epitaxial Type

PIN Diode for VHF, UHF, AGC Applications

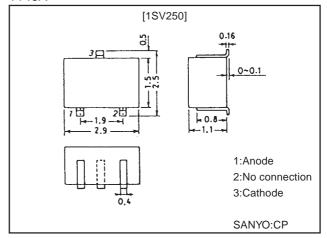
Features

- · Small-sized package facilitates high-density mounting and permits 1SV250-applied equipment to be made smaller.
- · Small interterminal capacitance (C=0.23pF typ).
- · Small forward series resistance (rs= 4.5Ω max).

Package Dimensions

unit:mm

1148A



Specifications

Absolute Maximum Ratings at Ta = 25°C

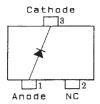
| Parameter | Symbol | Conditions | Ratings | Unit |
|-----------------------------|--------|------------|-------------|------|
| Reverse Voltage | VR | | 50 | V |
| Forward Current | ΙF | | 50 | mA |
| Allowable Power Dissipation | Р | | 150 | mW |
| Junction Temperature | Tj | | 125 | °C |
| Storage Temperature | Tstg | | -55 to +125 | °C |

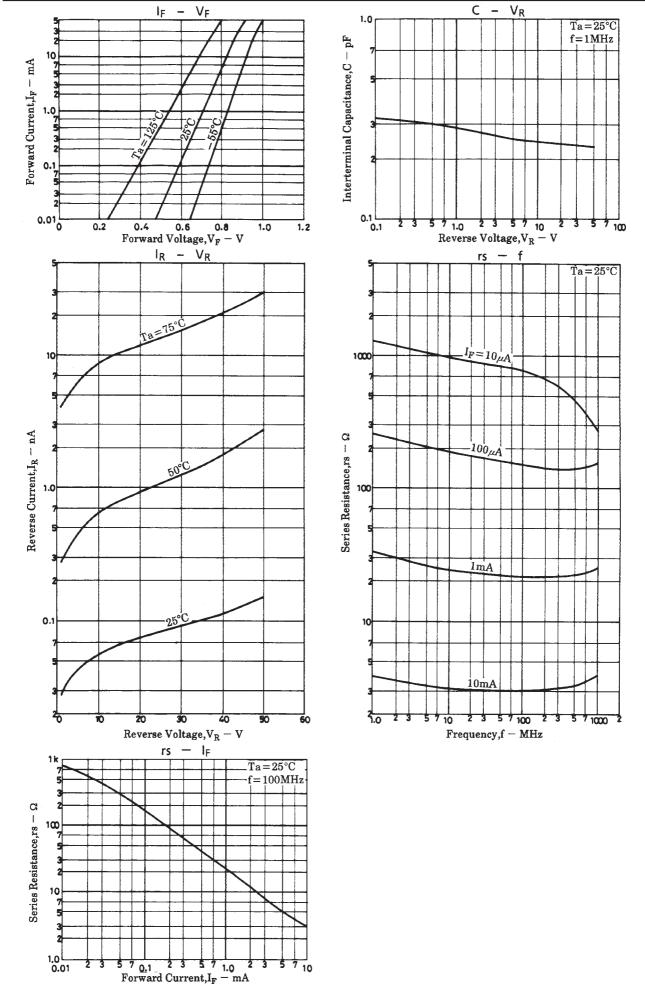
Electrical Characteristics at Ta = 25°C

| Parameter | Symbol | Conditions | Ratings | | | Unit |
|---------------------------|----------------|--------------------------------|---------|------|-----|------|
| | | | min | typ | max | Onn |
| Reverse Voltage | V _R | I _R =10μA | 50 | | | V |
| Reverse Current | I _R | V _R =50V | | | 0.1 | μA |
| Forward Voltage | ٧ _F | I _F =50mA | | 0.92 | | V |
| Interterminal Capacitance | С | V _R =50V, f=1MHz | | 0.23 | | pF |
| Series Resistance | rs | I _F =10mA, f=100MHz | | | 4.5 | Ω |

· Marking:FV

Electrical Connection





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