

Ordering number : ENN*6949

Silicon Epitaxial PIN Diode



1SV298H

π Type Attenuator Applications

Preliminary

Features

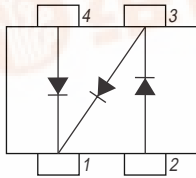
- Composite type with 3 diodes contained in the CPH package currently in use, improving the mounting efficiency greatly.
- Small interterminal capacitance (C=0.23pF typ).

Package Dimensions

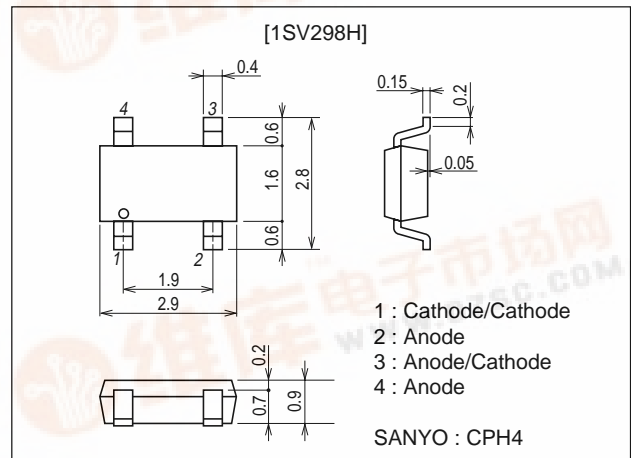
unit : mm

1307

Electrical Connection



- 1 : Cathode / Cathode
- 2 : Anode
- 3 : Anode / Cathode
- 4 : Anode



Specifications

Absolute Maximum Ratings at Ta=25°C

| Parameter | Symbol | Ratings | Unit |
|-----------------------------|-----------|-------------|------|
| Reverse Voltage | V_R | 50 | V |
| Forward Current | I_F | 50 | mA |
| Allowable Power Dissipation | P | 150 | mW |
| Junction Temperature | T_j | 125 | °C |
| Storage Temperature | T_{stg} | -55 to +125 | °C |

Electrical Characteristics at Ta=25°C

| Parameter | Symbol | Conditions | Ratings | | | Unit |
|---------------------------|--------|-------------------------|---------|------|------|----------|
| | | | min | typ | max | |
| Reverse Voltage | V_R | $I_R=10\mu A$ | 50 | | | V |
| Reverse Current | I_R | $V_R=50V$ | | | 0.1 | μA |
| Forward Voltage | V_F | $I_F=50mA$ | 0.92 | | 0.97 | V |
| Interterminal Capacitance | C | $V_R=50V, f=1MHz$ | | 0.23 | | pF |
| Series Resistance | r_s | $I_F=10\mu A, f=100MHz$ | | 2400 | | Ω |
| | | $I_F=10mA, f=100MHz$ | 5 | | 7 | Ω |

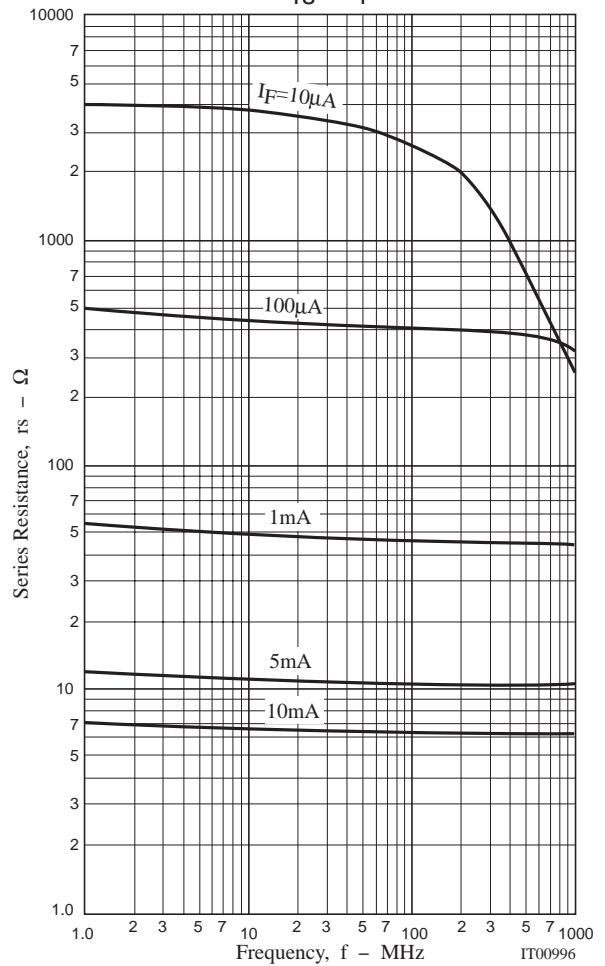
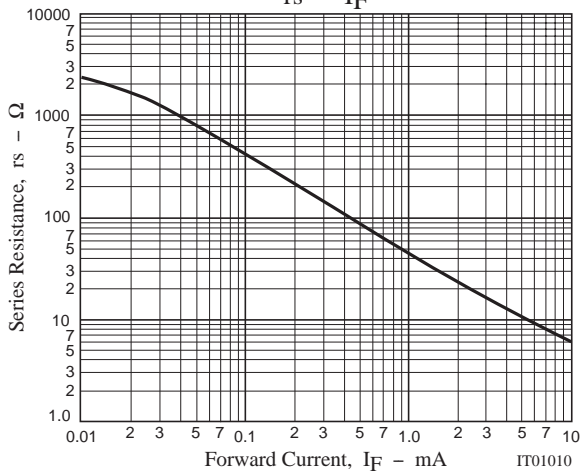
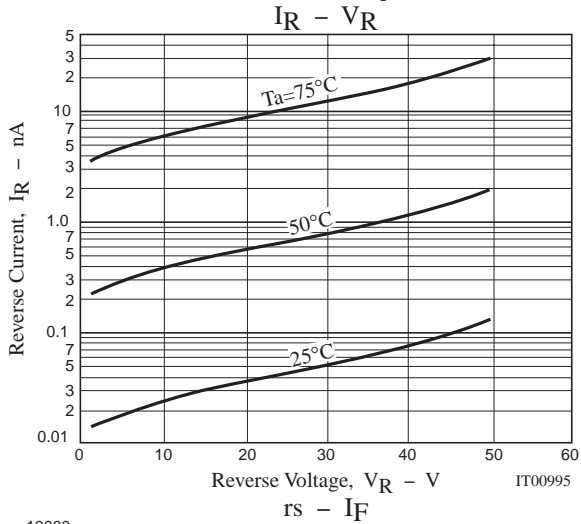
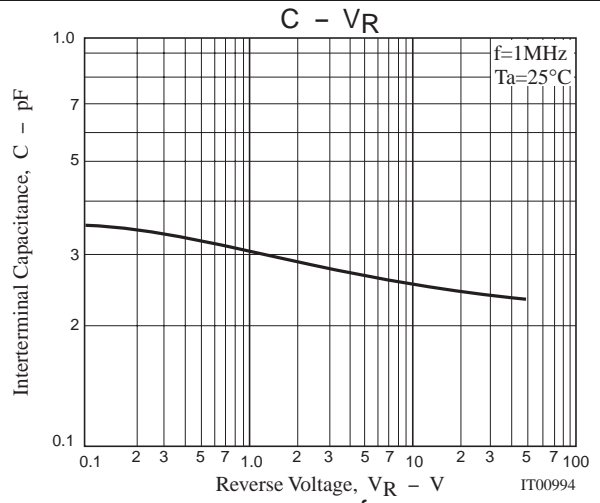
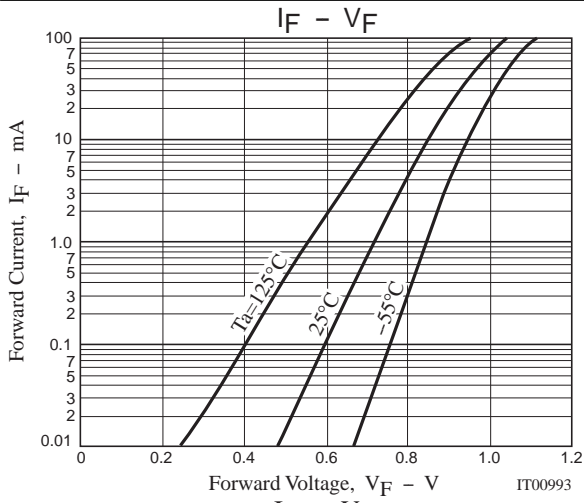
Note)The specifications shown above are for each individual diode.

Marking : VA

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