

Ordering number : ENN7311

Silicon Epitaxial Type

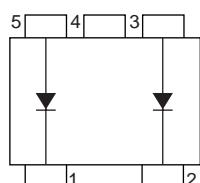
CPH5513

Pin Diode for VHF, UHF, AGC Applications

Features

- Small interterminal capacitance ($C=0.23\text{pF}$ typ).
- Small forward series resistance ($r_s=2.5\Omega$ typ).
- Composite type with 2 diodes contained in a CPH package currently in use, improving the mounting efficiency greatly.

Electrical Connection



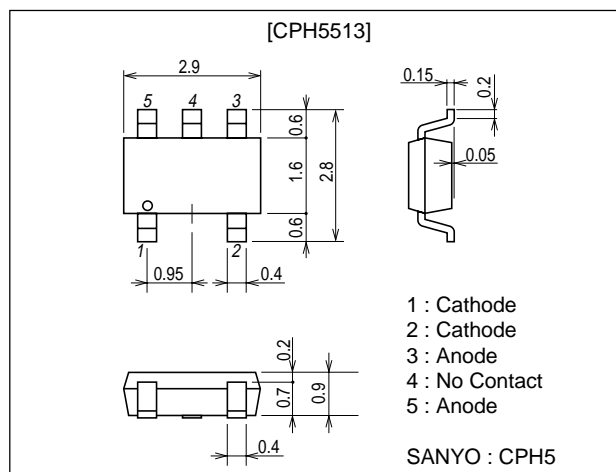
(Top view)

- 1 : Cathode
2 : Cathode
3 : Anode
4 : No Contact
5 : Anode

Package Dimensions

unit : mm

1294



- 1 : Cathode
2 : Cathode
3 : Anode
4 : No Contact
5 : Anode

SANYO : CPH5

Specifications

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

| Parameter | Symbol | Conditions | Ratings | Unit |
|-----------------------------|-----------|------------|-------------|------------------|
| Reverse Voltage | V_R | | 50 | V |
| Forward Current | I_F | | 50 | mA |
| Allowable Power Dissipation | P | | 350 | mW |
| Junction Temperature | T_J | | 125 | $^\circ\text{C}$ |
| Storage Temperature | T_{stg} | | -55 to +125 | $^\circ\text{C}$ |

Electrical Characteristics at $T_a=25^\circ\text{C}$

| Parameter | Symbol | Conditions | Ratings | | | Unit |
|---------------------------|--------|---------------------------------------|---------|------|-----|---------------|
| | | | min | typ | max | |
| Reverse Voltage | V_R | $I_R=10\mu\text{A}$ | 50 | | | V |
| Reverse Current | I_R | $V_R=50\text{V}$ | | | 0.1 | μA |
| Forward Voltage | V_F | $I_F=50\text{mA}$ | | 0.91 | | V |
| Interterminal Capacitance | C | $V_R=50\text{V}$, $f=1\text{MHz}$ | | 0.23 | | pF |
| Series Resistance | r_s | $I_F=5\text{mA}$, $f=100\text{MHz}$ | | 4.0 | | Ω |
| | | $I_F=10\text{mA}$, $f=100\text{MHz}$ | | 2.5 | | Ω |

The specifications shown above are for each individual diode.

Marking : 2B

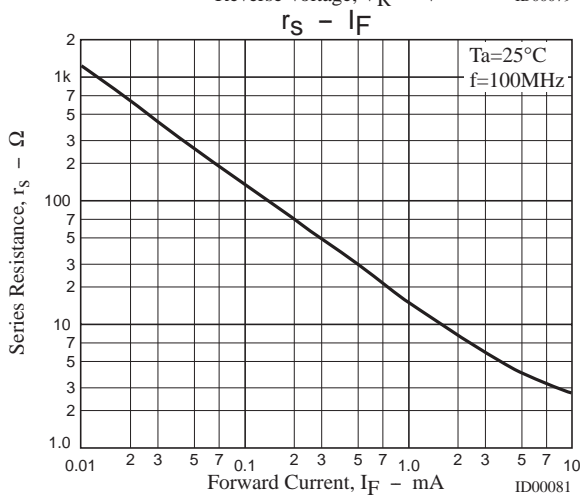
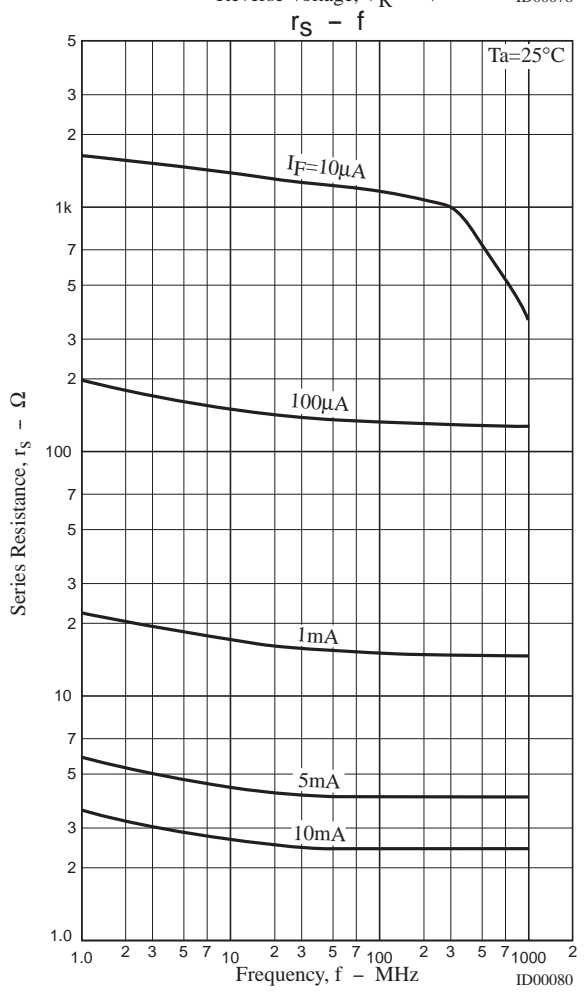
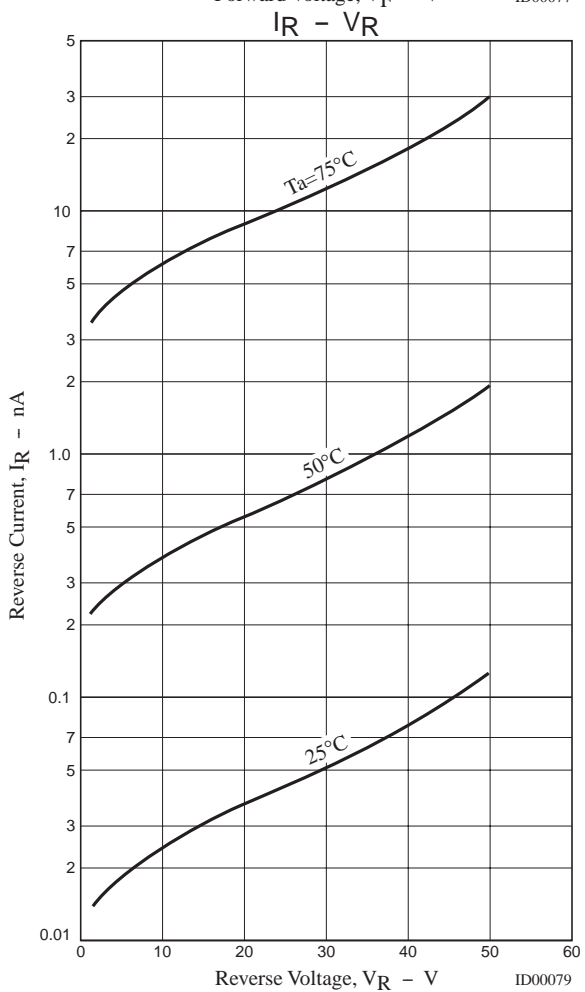
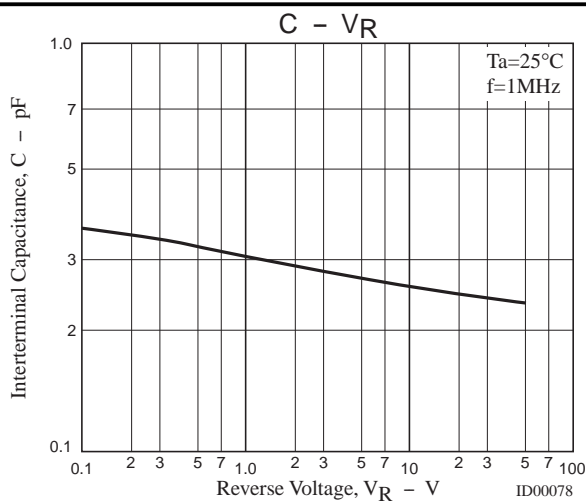
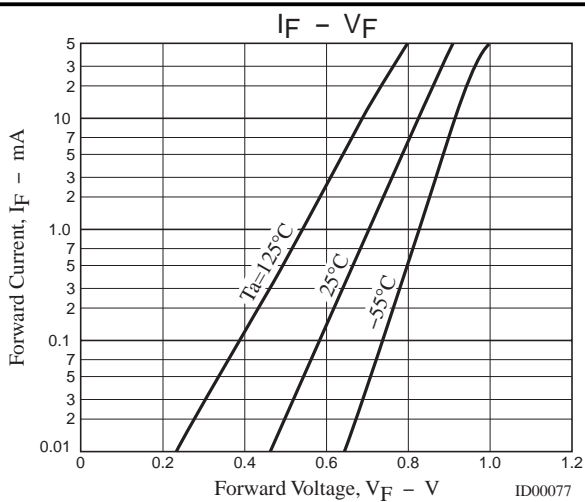
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SANYO Electric Co., Ltd. Semiconductor Company

TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

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