



1SS365

Schottky Barrier Diode

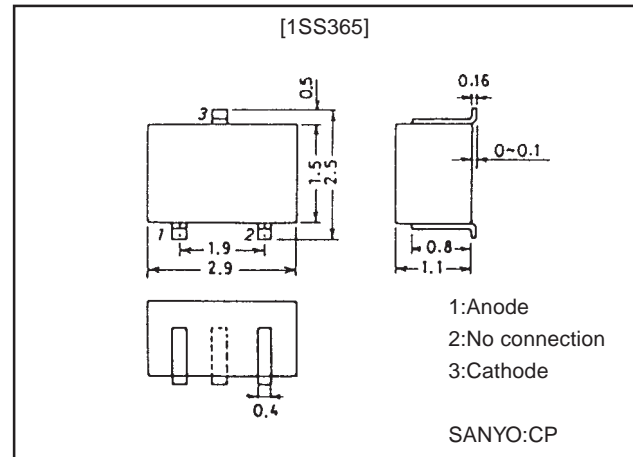
VHF, UHF Detector and Mixer Applications

Features

- Small-sized package facilitates high-density mounting and permits 1SS365-applied equipment to be made smaller.
- Small interterminal capacitance.
- Low forward voltage.
- High breakdown voltage.

Package Dimensions

unit:mm
1148A



Specifications

Absolute Maximum Ratings at Ta = 25°C

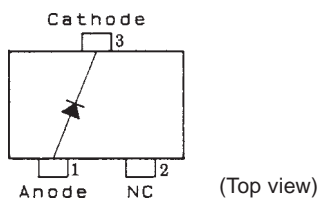
| Parameter | Symbol | Conditions | Ratings | Unit |
|----------------------|-----------|------------|-------------|------|
| Reverse Voltage | V_R | | 10 | V |
| Forward Current | I_F | | 35 | mA |
| Junction Temperature | T_j | | 125 | °C |
| Storage Temperature | T_{stg} | | -55 to +125 | °C |

Electrical Characteristics at Ta = 25°C

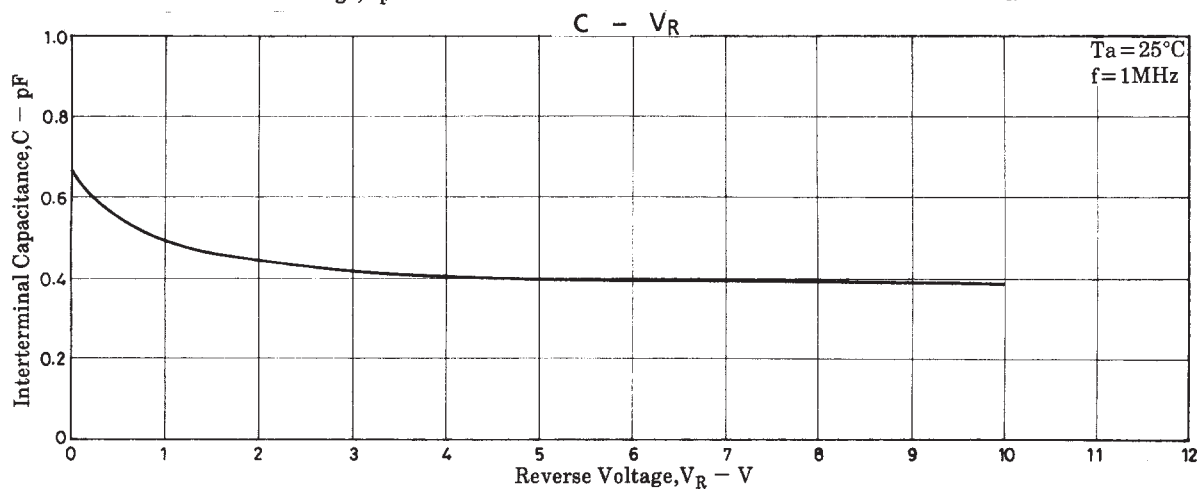
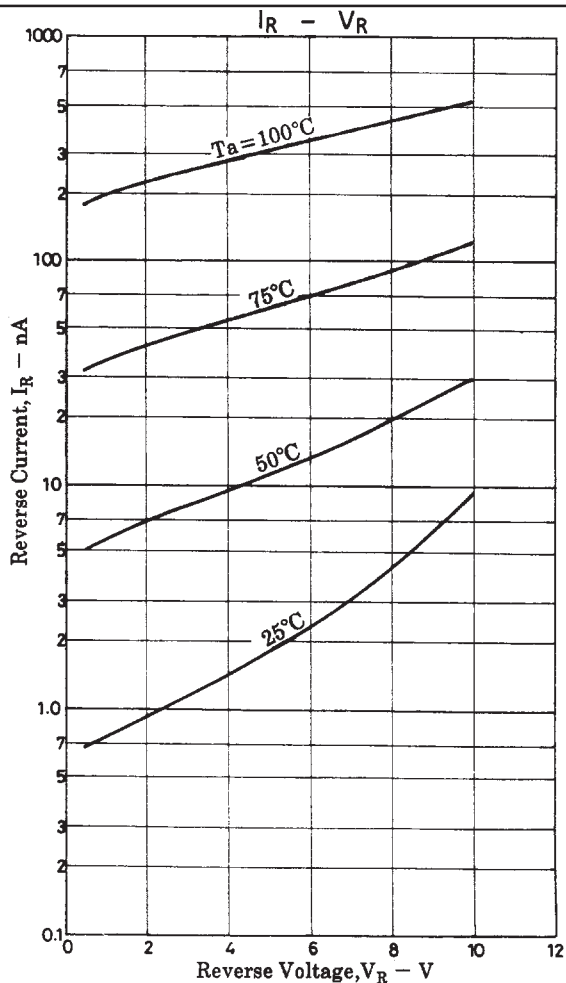
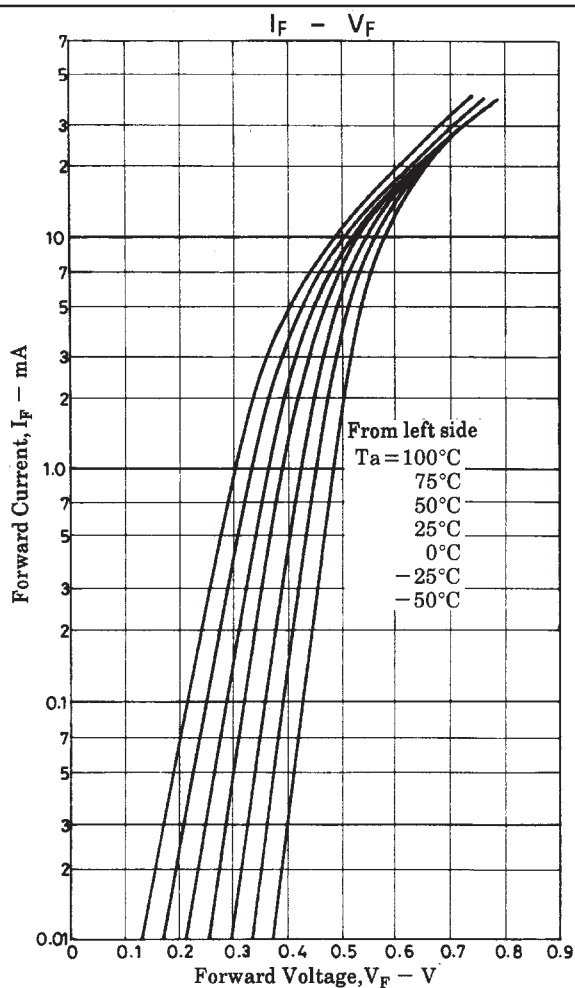
| Parameter | Symbol | Conditions | Ratings | | | Unit |
|---------------------------|----------|-------------------|---------|-----|------|------|
| | | | min | typ | max | |
| Forward Voltage | $V_F(1)$ | $I_F=1mA$ | 350 | | 420 | mV |
| | $V_F(2)$ | $I_F=10mA$ | 480 | | 580 | mV |
| Forward Current | I_F | $V_F=1V$ | 35 | | | mA |
| Reverse Current | $I_R(1)$ | $V_R=2V$ | | | 0.2 | μA |
| | $I_R(2)$ | $V_R=10V$ | | | 10 | μA |
| Interterminal Capacitance | C | $V_R=10V, f=1MHz$ | | | 0.85 | pF |

· Marking:EH

Electrical Connection



1SS365



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