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[SANYO Semiconductor \(U.S.A\) Corporation](#)  
[1SS366-TB-E](#)

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Ordering number :EN4563A



**1SS366**

Schottky Barrier Diode

## VHF, UHF Detector and Mixer Applications

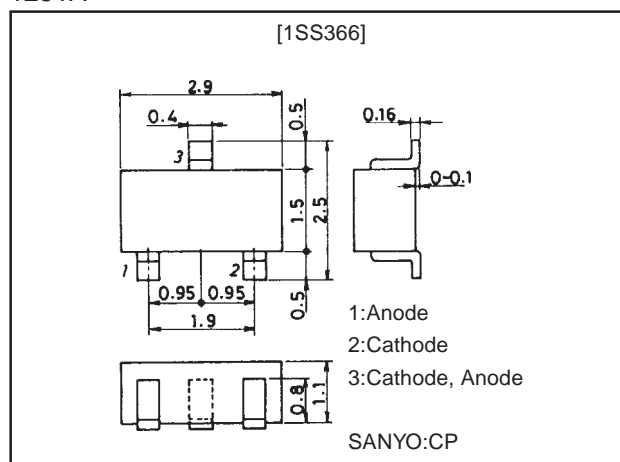
### Features

- Series connection of 2 elements in a very small-sized package facilitates high-density mounting and permits 1SS366-applied equipment to be made smaller.
- Small interterminal capacitance.
- Low forward voltage.
- High breakdown voltage.

### Package Dimensions

unit:mm

1251A



### Specifications

#### Absolute Maximum Ratings at Ta = 25°C

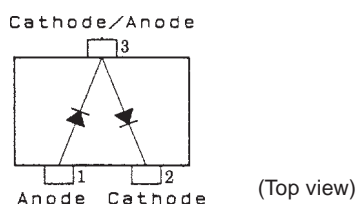
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	$V_R$		10	V
Forward Current	$I_F$		35	mA
Junction Temperature	$T_J$		125	°C
Storage Temperature	$T_{stg}$		-55 to +125	°C

#### Electrical Characteristics at Ta = 25°C

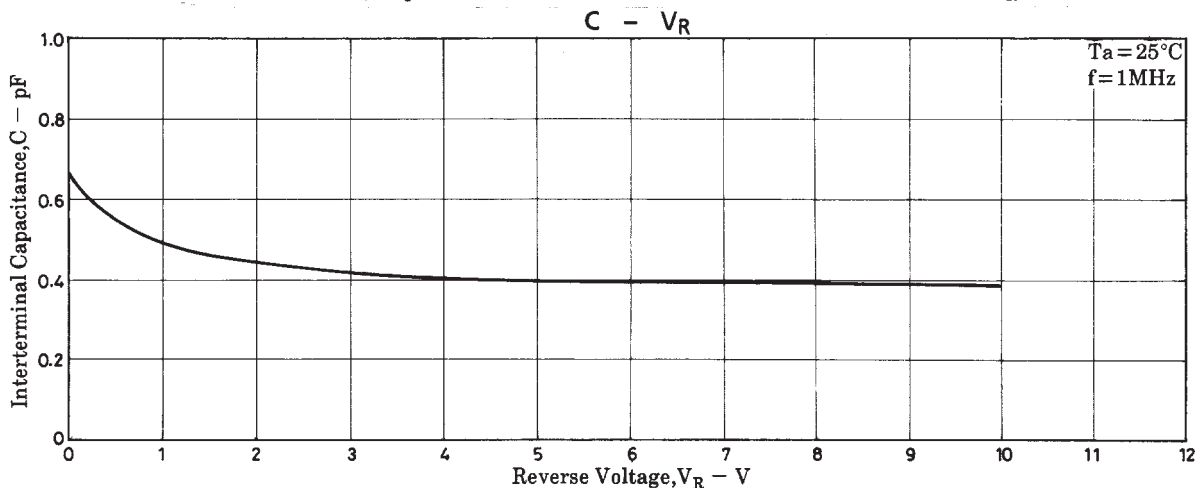
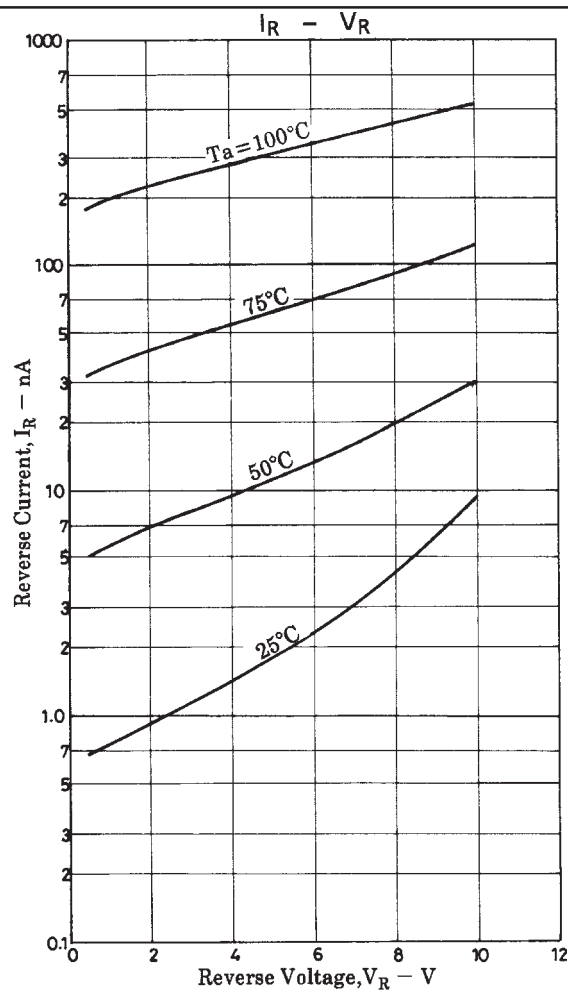
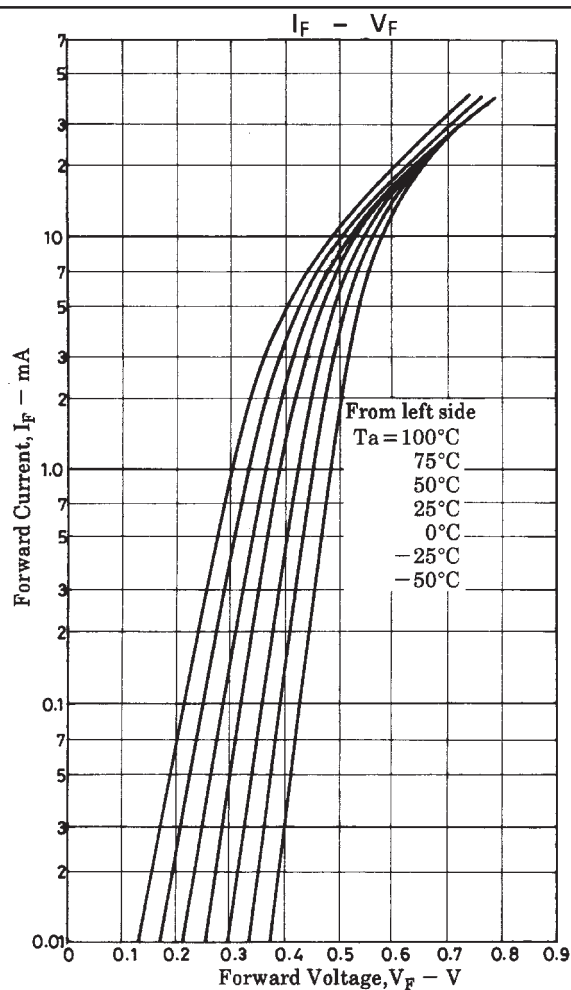
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F(1)$	$I_F=1mA$	350		420	mV
	$V_F(2)$	$I_F=10mA$	480		580	mV
Forward Current	$I_F$	$V_F=1V$	35			mA
Reverse Current	$I_R(1)$	$V_R=2V$			0.2	μA
	$I_R(2)$	$V_R=10V$			10	μA
Interterminal Capacitance	$C$	$V_R=0V, f=1MHz$			0.85	pF
Forward Voltage Difference	$\Delta V_F$	$I_F=10mA$			10	mV
Interterminal Capacitance Difference	$\Delta C$	$V_R=0V, f=1MHz$			0.1	pF

· Marking:FH

### Electrical Connection



## 1SS366



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