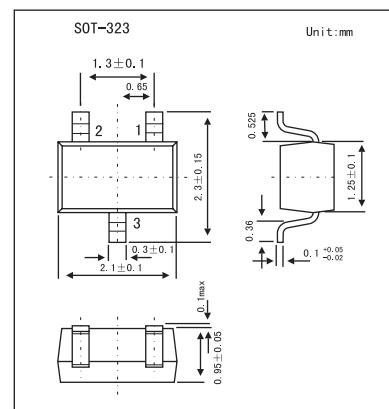


VHF,UHF Detector and Mixer Applications

1SS375

■ Features

- Series connection of 2 elements in a very small-sized package facilitates high-density mounting and permits 1SS375-applied equipment to be made smaller.
- Small interterminal capacitance.
- Low forward voltage.
- High breakdown voltage.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Value	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 Ta = 25°C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward Voltage	V _{F(1)}	I _F = 1 mA	350		420	mV
	V _{F(2)}	I _F = 10 mA	480		580	
Forward Current	I _F	V _F = 1 V	35			mA
Reverse Current	I _{R(1)}	V _R = 2 V			0.2	μ A
	I _{R(2)}	V _R = 10 V			10	
Interterminal Capacitance	C	V _R = 0 V, f = 1 MHz			0.85	pF
Forward Voltage Difference	△V _F	I _F = 10 mA			10	mV
Interterminal Capacitance Difference	△C	V _R = 0 V, f = 1 MHz			0.1	pF

■ Marking

Marking	FH
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