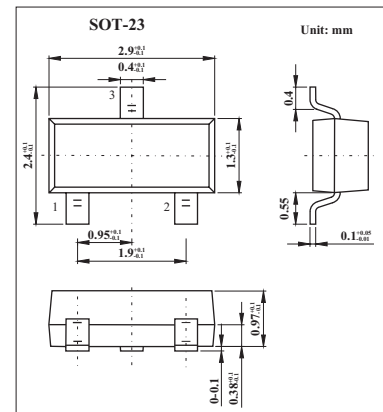


## UHF BAND MIXER APPLICATIONS

## 1SS295

## ■ Features

- Small Delat forward voltage:  $\Delta V_F = 10 \text{ mV}(\text{Max})$
- Small Delat total capacitance:  $\Delta C_T = 0.1 \text{ pF}(\text{Max})$

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

Parameter	Symbol	Rating	Unit
Reverse Voltage	$V_R$	4	V
Forward Current	$I_F$	30	mA
Junction temperature	$T_J$	125	$^\circ\text{C}$
Storage temperature range	$T_{\text{stg}}$	-30 to +125	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 2 \text{ mA}$		0.25	0.32	V
Forward current	$I_F$	$V_F = 0.5 \text{ V}$	30			mA
Reverse current	$I_R$	$V_R = 0.5 \text{ V}$			25	$\mu\text{A}$
Total capacitance	$C_T$	$V_R = 0.2 \text{ V}, f = 1 \text{ MHz}$		0.6	0.9	pF
Delat forward voltage	$\Delta V_F$	$I_F = 2 \text{ mA}$ (Note 1)			10	mV
Delat total capacitance	$\Delta C_T$	$V_R = 0 \text{ V}, f = 100 \text{ MHz}$ (Note 1)			0.1	pF

Note

Difference between 2 Devices in 1 package

## ■ Marking

Marking	BH