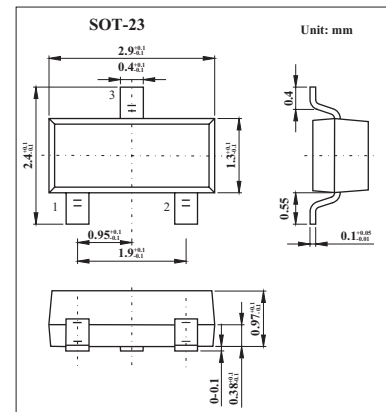


## UHF~S BAND MIXER/DETECTOR APPLICATIONS

## 1SS154

## ■ Features

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

Parameter	Symbol	Rating	Unit
Reverse Voltage	$V_R$	6	V
Forward Current	$I_F$	30	mA
Junction temperature	$T_J$	125	$^\circ\text{C}$
Storage temperature range	$T_{stg}$	-30 to +125	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse voltage	$V_R$	$I_R = 1 \mu\text{A}$	6			V
Reverse current	$I_R$	$V_R = 15\text{V}$			0.5	$\mu\text{A}$
Forward voltage	$V_F$	$I_F = 0.1\text{mA}$			0.35	V
		$I_F = 10\text{mA}$		0.5		V
Total capacitance	$C_T$	$V_R = 0\text{V}, f = 1\text{MHz}$		0.8		pF

## ■ Marking

Marking	BA