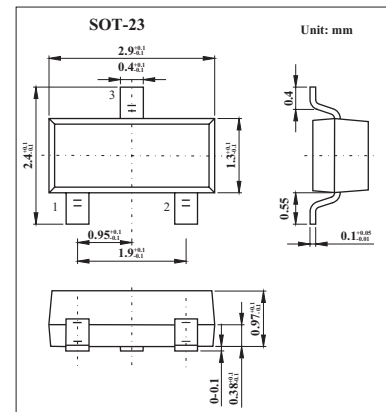


UHF~S BAND MIXER/DETECTOR APPLICATIONS

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	μA
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
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