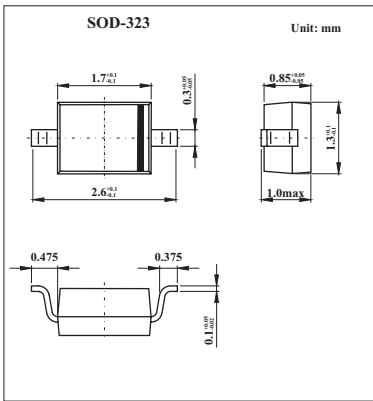


UHF BAND MIXER APPLICATIONS

1SS315

■ Features



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

Parameter	Symbol	Rating	Unit
Maximum (Peak) Reverse Voltage	V_{RM}	5	V
Forward Current	I_F	30	mA
Junction temperature	T_J	125	$^{\circ}\text{C}$
Storage temperature range	T_{stg}	-55 to +125 $^{\circ}\text{C}$	$^{\circ}\text{C}$

■ 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		V
Reverse current	I_R	$V_F = 0.5\text{ V}$	30			mA
Reverse voltage	V_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		pF

■ Marking

Marking	S2
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