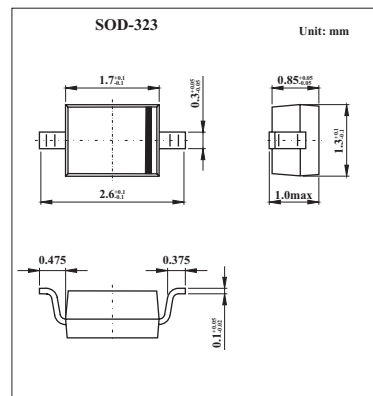


1SV313

■ Features

- High Capacitance Ratio: $C_{0.5V}/C_{0.25V}=2.1$ (Typ.)
- Low Series Resistance: $r_s=0.35 \Omega$ (Typ.)
- Useful for Small Size Tuner



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

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	10	V
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 to +125	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	$I_R = 1 \mu\text{A}$	10			V
Reverse Current	I_R	$V_R = 10 \text{V}$			3	nA
Capacitance	$C_{0.5V}$	$f = 1 \text{MHz}; V_R = 0.5 \text{V}$	7.3		8.4	pF
	$C_{0.25V}$	$f = 1 \text{MHz}; V_R = 0.25 \text{V}$	2.75		3.4	
Capacitance Ratio	$C_{0.5V}/C_{0.25V}$		2.4	2.5		
Series Resistance	r_s	$V_R = 1\text{V}, f = 470 \text{MHz}$		0.35		Ω

■ Marking

Marking	V6
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