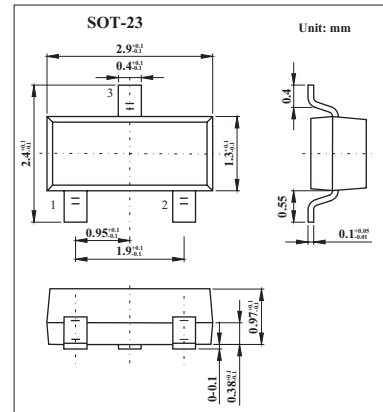


1SS321

■ Features

- Low forward voltage: $V_F = 0.42\text{ V(Typ)}$
- Low reverse current: $I_R = 500\text{ nA(Max)}$
- Small packag : SC-59(SOT-23MOD)



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

Parameter	Symbol	Rating	Unit
Maximum (Peak) reverse voltage	V_{RM}	12	V
Reverse voltage	V_R	10	V
Maximum (Peak) forward current	I_{FM}	150 (Note 1)	mA
Average forward current	I_o	50 (Note 1)	mA
Surge current (t = 10 ms)	I_{FSM}	1000 (Note 1)	mA
Power dissipation	P	150	mW
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature range	T_{stg}	-55 to +125	$^\circ\text{C}$

Note

Unit Rating.Total rating = Unit Rating \times 1.5

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 1\text{ mA}$		0.32		V
		$I_F = 10\text{ mA}$		0.42		
		$I_F = 50\text{ mA}$		0.63	1.0	
Reverse current	I_R	$V_R = 10\text{ V}$			500	$\mu\text{ A}$
Total capacitance	C_T	$V_R = 0\text{ V}, f = 1\text{ MHz}$		0.32	4.5	pF

Note

Difference between 2 Devices in 1 package

■ Marking

Marking	F9
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