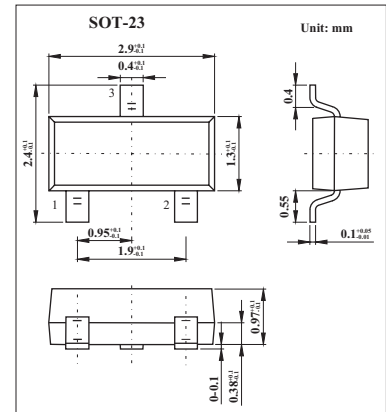


LOW VOLTAGE HIGH SPEED SWITCHING

1SS294

■ Features

- Small package
- Low forward voltage: $V_{F(3)} = 0.54 \text{ V(Typ)}$.
- Low reverse current: $I_R = 5 \mu \text{ A(Max)}$.

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

Parameter	Symbol	Rating	Unit
Maximum(Peak) Reverse Voltage	V_{RM}	45	V
Reverse Voltage	V_R	40	V
Maximum(Peak) Forward Current	I_{FM}	300	mA
Average Rectified Current	I_o	100	mA
Power Dissipation	P	150	mW
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 to + 125	$^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Continuous reverse voltage	V_F	$I_F = 1.0 \text{ mA}$		0.28		V
		$I_F = 10 \text{ mA}$		0.36		
		$I_F = 100 \text{ mA}$		0.54	0.6	
Reverse current	I_R	$V_R = 40 \text{ V}$			5	$\mu \text{ A}$
Total capacitance	C_T	$V_R = 0, f = 1.0 \text{ MHz}$		18	25	pF

■ Marking

Marking	A9
---------	----