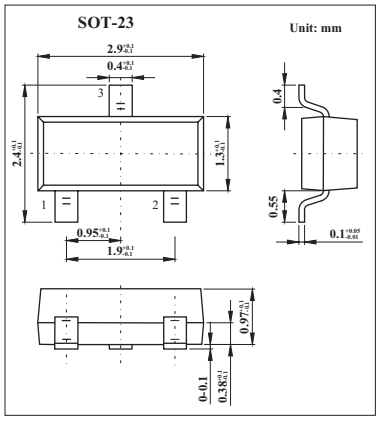
LOW VOLTAGE HIGH SPEED SWITCHING

1SS294



Features

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

Absolute Maximum Ratings Ta = 25℃

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	℃
Storage Temperature Range	T_{stg}	-55 to + 125	℃

Electrical Characteristics Ta = 25℃

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

Marking

Marking	A9