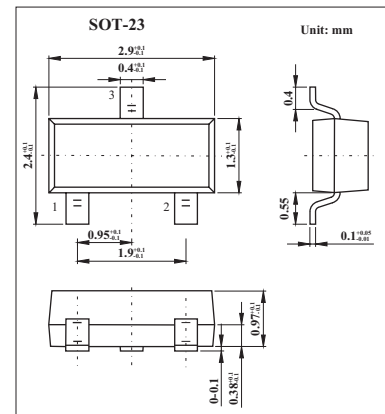


HIGH SPEED SWITCHING APPLICATION

1SS394

■ Features

- Small package
- Low forward voltage : $V_F = 0.23V$ (Typ).

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

Parameter	Symbol	Rating	Unit
Maximum(Peak) Reverse Voltage	V_{RM}	15	V
Reverse Voltage	V_R	10	V
Maximum(Peak) Forward Current	I_{FM}	200	mA
Average Rectified Current	I_o	100	mA
Surge Current (10 ms)	I_{FSM}	1	A
Power Dissipation	P	150	mW
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 to +125	$^\circ\text{C}$
Operating Temperature	T_{opr}	-40 to +100	$^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Continuous reverse voltage	V_F	$I_F = 1 \text{ mA}$		0.18		V
		$I_F = 5 \text{ mA}$		0.23	0.35	
		$I_F = 100 \text{ mA}$		0.35	0.5	
Reverse current	I_R	$V_R = 40 \text{ V}$			20	μA
Total capacitance	C_T	$V_R = 0, f = 1.0 \text{ MHz}$		20	40	pF

■ Marking

Marking	S9
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