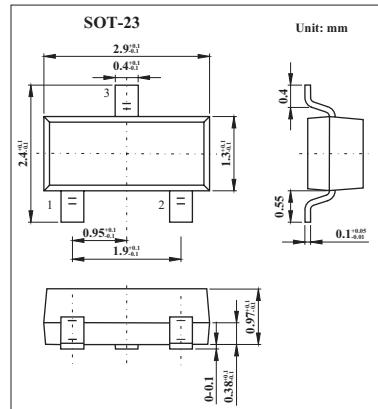


## LOW VOLTAGE HIGH SPEED SWITCHING

### 1SS294

#### ■ Features

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



#### ■ Absolute Maximum Ratings $T_a = 25^\circ C$

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	°C
Storage Temperature Range	$T_{stg}$	-55 to + 125	°C

#### ■ Electrical Characteristics $T_a = 25^\circ C$

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	$\mu A$
Total capacitance	$C_T$	$V_R = 0$ , $f = 1.0$ MHz		18	25	pF

#### ■ Marking

Marking	A9
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