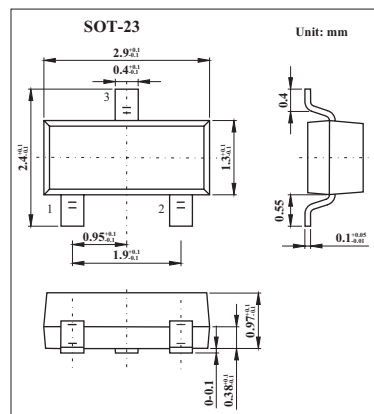


# 1SS294

■ 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
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