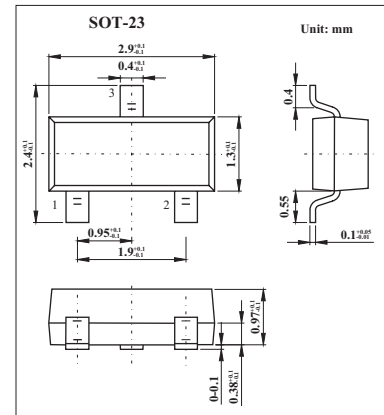
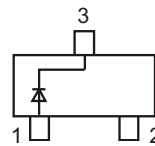


LOW VOLTAGE HIGH SPEED SWITCHING

1SS349

■ Features

- Small package
- Low forward voltage: $V_{F3} = 0.49V(\text{Typ})$.
- Low voltage current: $I_R = 50 \mu A(\text{Max})$.

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

Parameter	Symbol	Rating	Unit
Maximum(Peak) Reverse Voltage	V_{RM}	25	V
Reverse Voltage	V_R	20	V
Average Rectified Current	I_o	1000	mA
Maximum(Peak) Forward Current	I_{FM}	3000	mA
Power Dissipation	P	200	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
Forward voltage	V_F	$I_F = 100\text{mA}$		0.34		V
		$I_F = 500\text{mA}$		0.42		
		$I_F = 1000\text{mA}$		0.49	0.55	
Reverse current	I_R	$V_R = 20\text{V}$			50	μA
Total capacitance	C_T	$V_R = 0, f = 1.0\text{MHz}$		250		pF