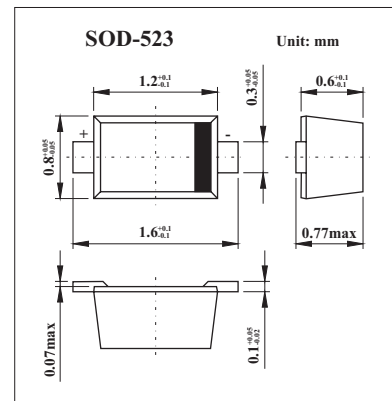


## LOW VOLTAGE HIGH SPEED SWITCHING

## 1SS369

## ■ Features

- Small Package
- Low forward voltage :  $V_f(3) = 0.54V$ (TYP.)
- Low reverse current :  $I_R = 5 \mu A$ (MAX.)

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

Characteristic	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 forward current	$I_o$	100	mA
Surge current (10 ms)	$I_{FSM}$	1	A
Power dissipation	$P^*$	150	mW
Junction temperature	$T_j$	125	$^\circ C$
Storage temperature range	$T_{stg}$	-55 to + 125	$^\circ C$
Operating temperature range	$T_{opr}$	-40 to + 100	$^\circ C$

\* : Mounted on a glass epoxy circuit board of  $20 \times 20$ mm, pad dimension of  $4 \times 4$ mm.

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

Characteristic	Symbol	Conditions	Min	Typ	Max	Unit
Continuous forward voltage	$V_F$	$I_F = 1 \text{ mA}$		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	$\mu A$
Total capacitance	$C_d$	$V_R = 0 \text{ V}, f = 1 \text{ MHz};$		18	25	pF

## ■ Marking

Marking	S3