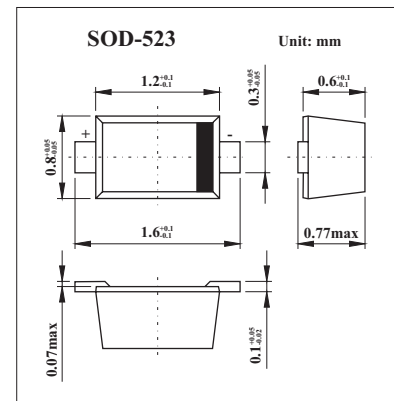


LOW VOLTAGE HIGH SPEED SWITCHING

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 20×20 mm, pad dimension of 4×4 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	μA
Total capacitance	C_d	$V_R = 0 \text{ V}, f = 1 \text{ MHz};$		18	25	pF

■ Marking

Marking	S3