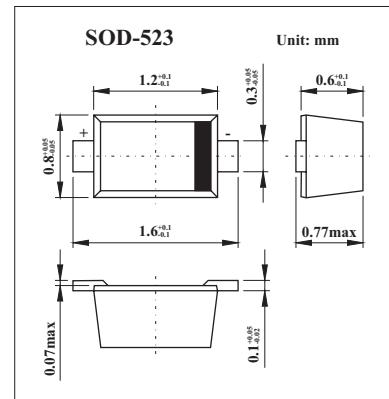


**HIGH SPEED SWITCHING APPLICATION****1SS373****■ Features**

- Small Package
- Low forward voltage : $V_F = 0.23V$ (TYP.)  $I_F = 5mA$

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

Characteristic	Symbol	Rating	Unit
Maximum (Peak) reverse voltage	$V_{RM}$	15	V
Reverse voltage	$V_R$	10	V
Maximum (Peak) forward current	$I_{FM}$	200	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	°C
Storage temperature range	$T_{stg}$	-55 to + 125	°C
Operating temperature range	$T_{opr}$	-40 to + 100	°C

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

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

Characteristic	Symbol	Conditions	Min	Typ	Max	Unit
Continuous forward voltage	$V_F$	$I_F = 1 mA$		0.18		
		$I_F = 5 mA$		0.23	0.3	V
		$I_F = 100 mA$		0.35	0.5	
Reverse current	$I_R$	$V_R = 10 V$			20	$\mu A$
Total capacitance	$C_d$	$V_R = 0 V, f = 1 MHz;$		20	40	pF

**■ Marking**

Marking	S4
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