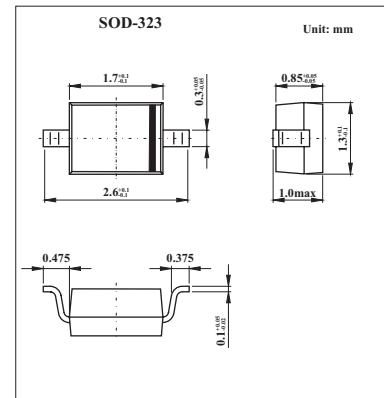


# 1PS76SB21

## ■ Features

- Ultra fast switching speed
- Low forward volatge
- Guard ring protected
- Very small plastic SMD package.



## ■ Absolute Maximum Ratings Ta = 25°C

PARAMATER	SYMBOL	CONDITIONS	MIN	MAX	UNIT
continuous reverse voltage	V <sub>R</sub>			4	V
continuous forward current	I <sub>F</sub>			200	mA
non-repetitive peak forward current	I <sub>FSM</sub>	t <sub>p</sub> < 10 ms		1	A
storage temperature	T <sub>stg</sub>		-65	+150	°C
junction temperature	T <sub>j</sub>			125	°C

## ■ Electrical Characteristics Ta = 25°C

PARAMATER	SYMBOL	CONDITIONS	MIN.	MAX.	UNIT
forward volatge	V <sub>F</sub>	I <sub>F</sub> = 10 mA		300	mV
		I <sub>F</sub> = 100 mA		420	mV
		I <sub>F</sub> = 200 mA		550	mV
reverse current	I <sub>R</sub>	V <sub>R</sub> = 30 V; note 1		15	μ A
		V <sub>R</sub> = 30 V; T <sub>j</sub> = 100 °C, note 1		3	mA
diode capacitance	C <sub>d</sub>	f = 1 MHz; V <sub>R</sub> = 0 V;	40	50	pF
thermal resistance from junction to ambient	R <sub>thj-a</sub>			450	K/W

Note

## ■ Marking

Marking	S1
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