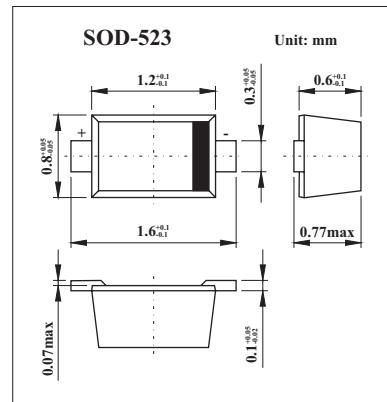


## SCHOTTKY BARRIER DIODE

### 1PS79SB70

#### ■ Features

- Low forward voltage
- High breakdown voltage
- Guard ring protected
- Ultra small plastic SMD package.
- Low capacitance.



#### ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Conditions	Min	Max	Unit
continuous reverse voltage	V <sub>R</sub>			70	V
continuous forward current	I <sub>F</sub>			70	mA
repetitive peak forward current	I <sub>FSM</sub>	t <sub>p</sub> ≤ 1 s; δ ≤ 0.5		70	mA
non-repetitive peak forward current	I <sub>FSM</sub>	t <sub>p</sub> < 10 ms		100	mA
storage temperature	T <sub>Stg</sub>		-65	+150	°C
junction temperature	T <sub>j</sub>			150	°C
operating ambient temperature	T <sub>amb</sub>		-65	+150	°C

#### ■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Max	Unit
continuous forward voltage	V <sub>F</sub>	I <sub>F</sub> = 1 mA	410	mV
		I <sub>F</sub> = 10 mA	750	mV
		I <sub>F</sub> = 15 mA	1	V
capacitance reverse current	I <sub>R</sub>	V <sub>R</sub> = 50 V, note 1	100	nA
		V <sub>R</sub> = 70 V, note 1	10	μ A
diode capacitance	C <sub>d</sub>	V <sub>R</sub> = 0 V, f = 1 MHz	2	pF

Note

1. Pulse test: t<sub>p</sub> = 300 μ s, δ = 0.02.

#### ■ Marking

Marking	G
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