

## Schottky Barrier Diode

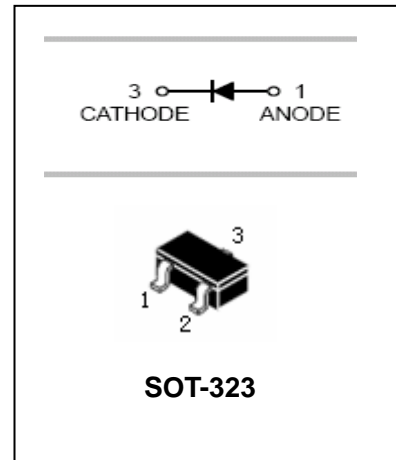
## 1SS401

### FEATURES

- Small total capacitance.
- Low reverse current.
- Low forward voltage:  $V_F=0.38V(\text{typ})$ .



Lead-free



### APPLICATIONS

- For general purpose applications.

### ORDERING INFORMATION

Type No.	Marking	Package Code
1SS401	D9	SOT-323

### MAXIMUM RATING @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	$V_{RM}$	25	V
Diode reverse voltage	$V_R$	20	V
Forward continuous Current	$I_F$	700	mA
Average rectified output current	$I_O$	300	mA
Power Dissipation	$P_d$	100	mW
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature range	$T_{stg}$	-55-+125	$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Test conditions	MIN	Typ.	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R=100\mu\text{A}$	20			V
Reverse current	$I_R$	$V_R=20\text{V}$			50	$\mu\text{A}$
Forward voltage	$V_F$	$I_F=1\text{mA}$		0.16		V
		$I_F=10\text{mA}$		0.22		
		$I_F=300\text{mA}$		0.38	0.45	
Diode capacitance	$C_D$	$V_R=0\text{V}, f=1\text{MHz}$		46		pF

# Diode Semiconductor Korea

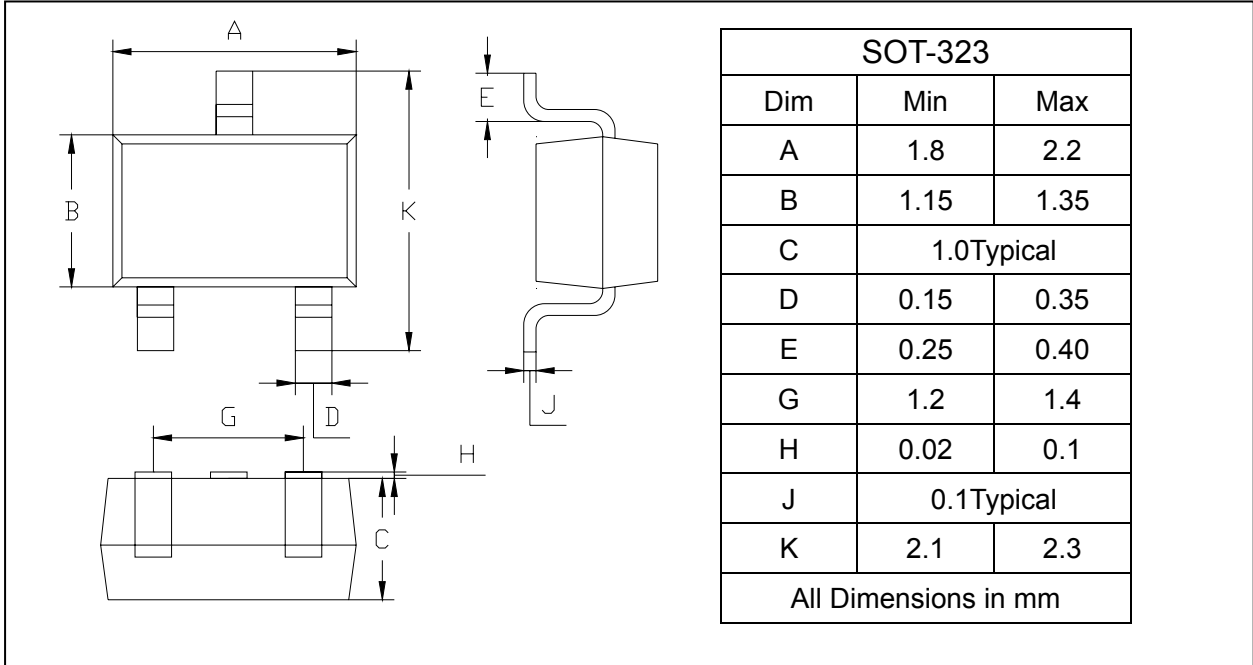
## Schottky Barrier Diode

## 1SS401

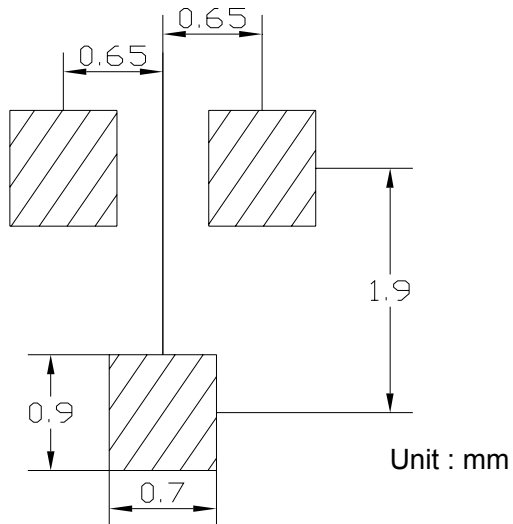
### PACKAGE OUTLINE

Plastic surface mounted package

SOT-323



### SOLDERING FOOTPRINT



### PACKAGE INFORMATION

Device	Package	Shipping
1SS401	SOT-323	3000/Tape&Reel