



Schottky Barrier Diode

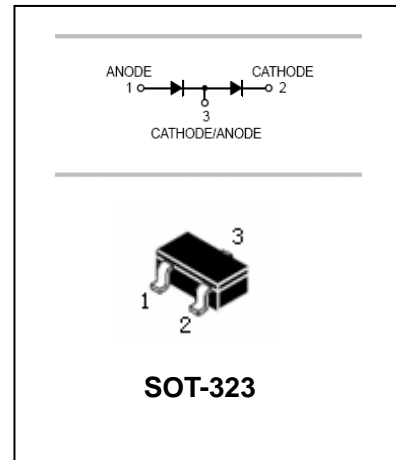
1SS372

FEATURES

- Small surface mounting type.
- Small package.
- Low forward voltage: $V_F=0.23V(\text{typ})$.



Lead-free



APPLICATIONS

- For general purpose applications.

ORDERING INFORMATION

Type No.	Marking	Package Code
1SS372	N9	SOT-323

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

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	V_{RM}	15	V
Diode reverse voltage	V_R	10	V
Average Forward Current	I_O	100	mA
Forward Surge Current (10ms)	I_{FSM}	1	A
Power Dissipation	P_d	100	mW
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature range	T_{stg}	-55 to +125	$^\circ\text{C}$

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

Parameter	Symbol	Test conditions	MIN	Typ	MAX	UNIT
Reverse current	I_R	$V_R=10V$			20	μA
Forward voltage	V_F	$I_F=1\text{mA}$ $I_F=5\text{mA}$ $I_F=100\text{mA}$		0.18 0.23	0.30 0.5	V
Diode capacitance	C_T	$V_R=0V, f=1\text{MHz}$		20	40	pF

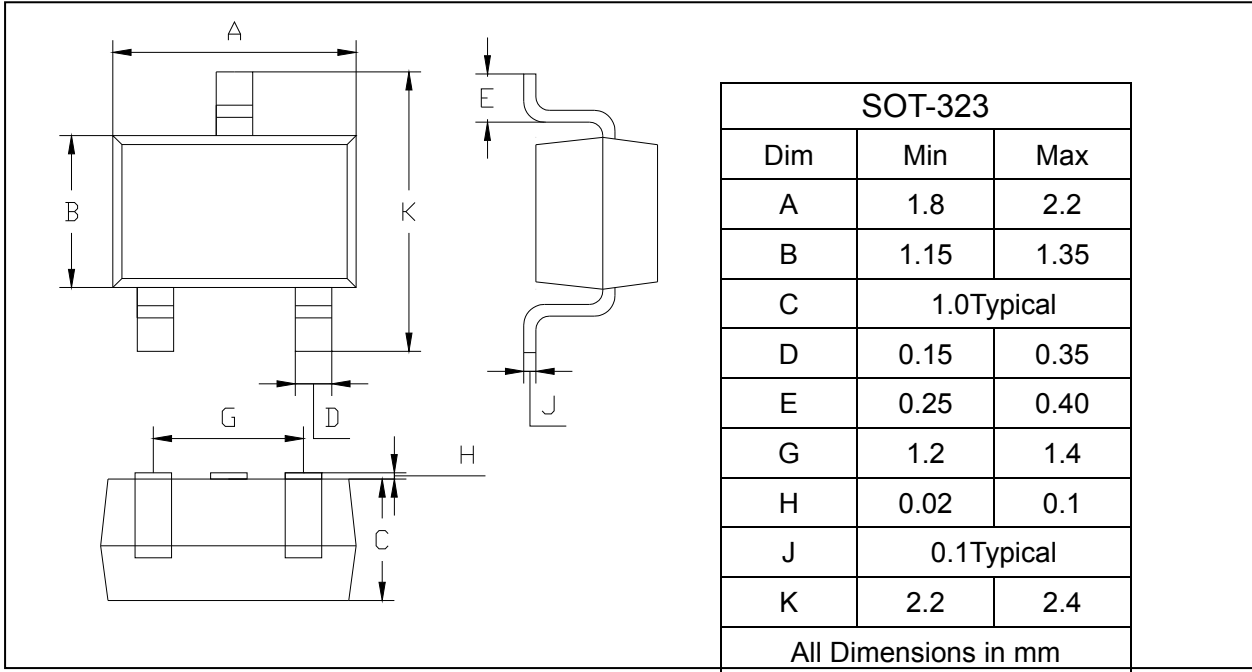
PACKAGE OUTLINE

Schottky Barrier Diode

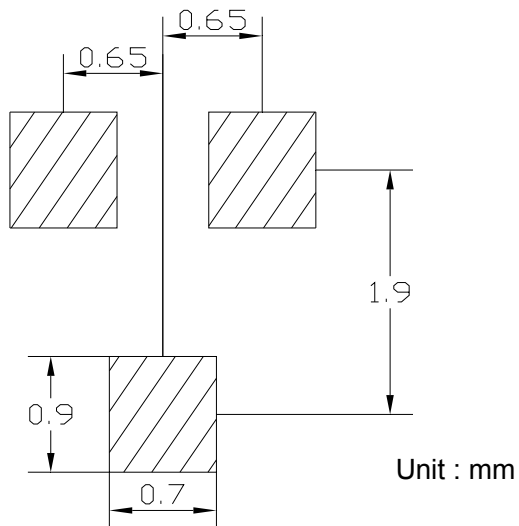
1SS372

Plastic surface mounted package

SOT-323



SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
1SS372	SOT-323	3000/Tape&Reel