

## Small Signal Switching Diodes

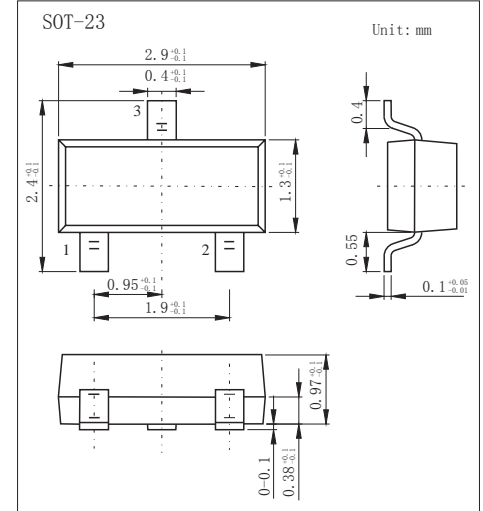
**VOLTAGE RANGE: 85V**  
**PEAK PULSE POWER: 150mW**

### Features

- Small Package
- Low forward voltage :  $V_{F(3)} = 0.9$  V(Typ.)
- Fast Reverse Recovery Time :  $t_{rr} = 1.6$  ns(Typ.)
- Small Total Capacitance :  $C_T = 0.9$  pF(Typ.)

### MECHANICAL DATA

- Case: SOT-23 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



## MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter	Symbol	Rating	Unit
Peak Reverse voltage	$V_{RM}$	85	V
DC Blocking Voltage	$V_R$	80	
Average Rectified Output Current	$I_o$	100	mA
Peak forward surge current	$I_{FM}$	300	
Power Dissipation	$P_D$	150	mW
Junction Temperature	$T_J$	150	°C
Storage temperature range	$T_{stg}$	-55 to 150	

## Electrical Specification ( $T_A=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_R$	$I_{R}= 100$ uA	80			V
Forward voltage	$V_{F1}$	$I_F= 1$ mA		0.6		
	$V_{F2}$	$I_F= 10$ mA		0.72		
	$V_{F3}$	$I_F= 100$ mA		0.9	1.2	
Reverse voltage leakage current	$I_{R1}$	$V_R=30$ V			0.1	uA
	$I_{R2}$	$V_R=80$ V			0.5	
Capacitance between terminals	$C_T$	$V_R= 0$ V, $f= 1$ MHz		0.9	3	pF
Reverse recovery time	$t_{rr}$	$I_F=10$ mA		1.6	4	ns

### ■ Marking

NO.	1SS226
Marking	C3

# RATINGS AND CHARACTERISTIC CURVES

## Typical Characteristics

