

Small Signal Switching Diodes

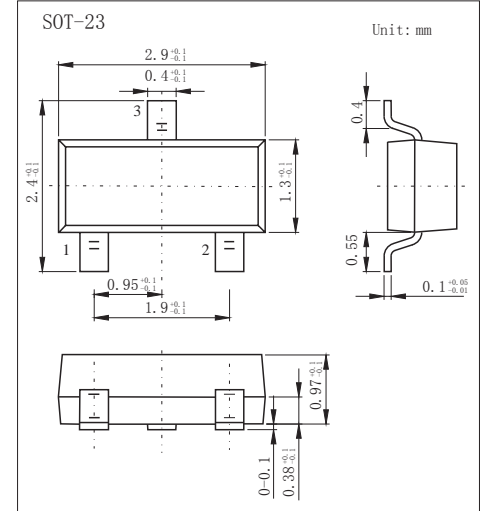
VOLTAGE RANGE: 85V
PEAK PULSE POWER: 150mW

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

