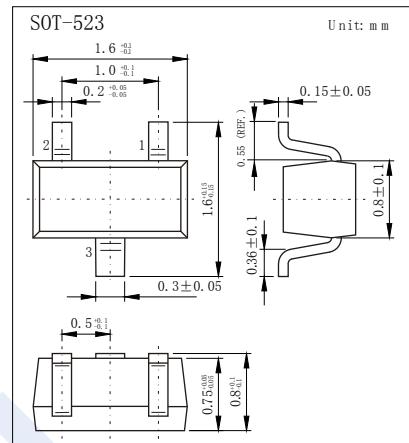
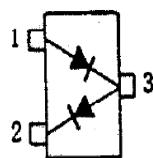


## Switching Diodes

### 1SS362

#### ■ Features

- Fast Switching Speed
- Low Forward Voltage
- Fast Reverse Recovery Time
- Small Total Capacitance



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

Parameter	Symbol	Rating	Unit
Peak Reverse Voltage	V <sub>RM</sub>	85	V
Reverse Voltage	V <sub>R</sub>	80	
Average Rectified Output Current	I <sub>O</sub>	80	mA
Forward Continuous Current	I <sub>FM</sub>	240	
Peak Forward Surge Current @ t=10ms	I <sub>FSM</sub>	1	A
Power Dissipation	P <sub>d</sub>	100	mW
Junction Temperature	T <sub>J</sub>	125	°C
Storage Temperature range	T <sub>stg</sub>	-55 to 125	

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V <sub>R</sub>	I <sub>R</sub> = 100uA	80			V
Forward voltage	V <sub>F1</sub>	I <sub>F</sub> = 1mA		0.63		
	V <sub>F2</sub>	I <sub>F</sub> = 10 mA		0.75		
	V <sub>F3</sub>	I <sub>F</sub> = 100 mA			1.2	
Reverse voltage leakage current	I <sub>R1</sub>	V <sub>R</sub> = 30 V			0.1	uA
	I <sub>R2</sub>	V <sub>R</sub> = 80 V			0.5	
Junction capacitance	C <sub>j</sub>	V <sub>R</sub> = 0 V, f= 1 MHz			3	pF
Reverse recovery time	t <sub>rr</sub>	I <sub>F</sub> =10mA			4	ns

#### ■ Marking

Marking	C3
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## Switching Diodes

**1SS362**

■ Typical Characteristics

