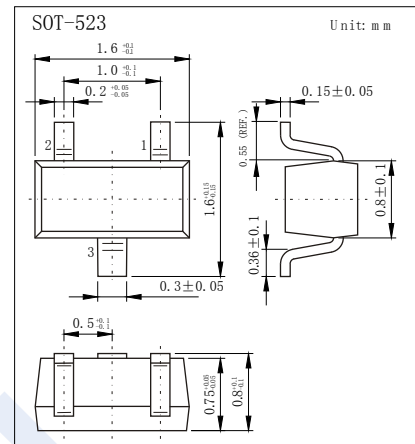
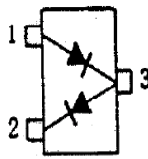


## Switching Diodes

## 1SS362

## ■ Features

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

■ Absolute Maximum Ratings  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Rating	Unit
Peak Reverse Voltage	$V_{RM}$	85	V
Reverse Voltage	$V_R$	80	
Average Rectified Output Current	$I_o$	80	mA
Forward Continuous Current	$I_{FM}$	240	
Peak Forward Surge Current @ $t=10\text{ms}$	$I_{FSM}$	1	A
Power Dissipation	$P_d$	100	mW
Junction Temperature	$T_J$	125	$^\circ\text{C}$
Storage Temperature range	$T_{stg}$	-55 to 125	

■ Electrical Characteristics  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_R$	$I_R = 100\mu\text{A}$	80			V
Forward voltage	$V_{F1}$	$I_F = 1\text{mA}$		0.63		
	$V_{F2}$	$I_F = 10\text{mA}$		0.75		
	$V_{F3}$	$I_F = 100\text{mA}$			1.2	
Reverse voltage leakage current	$I_{R1}$	$V_R = 30\text{V}$			0.1	$\mu\text{A}$
	$I_{R2}$	$V_R = 80\text{V}$			0.5	
Junction capacitance	$C_j$	$V_R = 0\text{V}, f = 1\text{MHz}$			3	pF
Reverse recovery time	$t_{rr}$	$I_F = 10\text{mA}$			4	ns

## ■ Marking

Marking	C3
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## Switching Diodes

### 1SS362

■ Typical Characteristics

