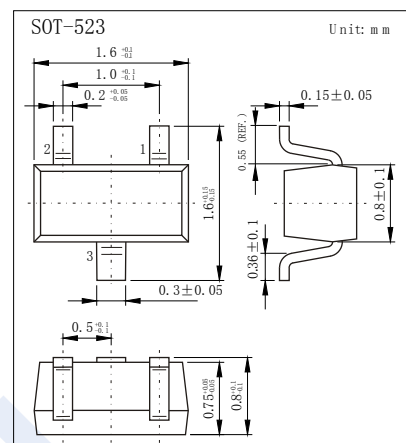
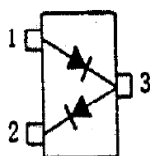


Switching Diodes

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	μA
	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

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■ Typical Characteristics

