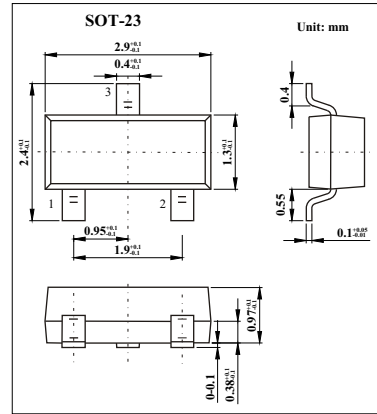
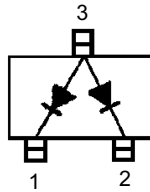


1SS181

Features

- Low forward voltage. : $V_F(3)=0.92V$ (Typ.)
- Fast reverse recovery time : $t_{rr}=1.6ns$ (Typ.)
- Small total capacitance : $C_T=2.2pF$ (Typ.)



Absolute Maximum Ratings $T_a = 25$

Parameter	Symbol	Rating	Unit
Peak reverse voltage	V_{RM}	85	V
Reverse voltage	V_R	80	V
Average forward current	I_o	100	mA
Peak forward current	I_{FM}	300	mA
Surge current (10ms)	I_{FSM}	2	A
Power dissipation	P	150	mW
Junction temperature	T_j	125	
Storage temperature	T_{stg}	-55 to +125	

Electrical Characteristics $T_a = 25$

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 1mA$		0.61		V
		$I_F = 10mA$		0.74		
		$I_F = 100mA$		0.92	1.20	
Reverse current	I_R	$V_R = 30V$			0.1	μA
		$V_R = 80V$			0.5	
Total capacitance	C_T	$V_R = 0, f = 1MHz$		2.2	4.0	pF
Reverse recovery time	t_{rr}	$I_F = 10mA$		1.6	4.0	ns

Marking

Marking	A3
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