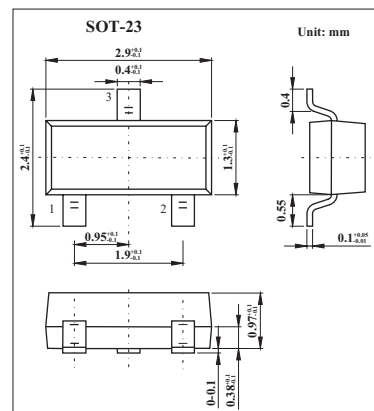


HIGH SPEED SWITCHING DOIDE

1SS377

■ Features

- Small package
- Low forward voltage : $V_R = 0.23V$ (Typ). @ $I_F = 5mA$

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

Parameter	Symbol	Rating	Unit
Maximum(Peak) Reverse Voltage	V_{RM}	15	V
Reverse Voltage	V_R	10	V
Maximum(Peak) Forward Current	I_{FM}	200*	mA
Average Rectified Current	I_o	100*	mA
Surge Current (10 ms)	I_{FSM}	1*	A
Power Dissipation	P	150	mW
Junction Temperature	T_j	125	$^\circ C$
Storage Temperature Range	T_{stg}	-55 to +125	$^\circ C$
Operating Temperature	T_{opr}	-40 to +100	$^\circ C$

* Unit Rating, Total Rating = Unit Rating $\times$ 1.5.

■ Electrical Characteristics $T_a = 25^\circ C$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Continuous reverse voltage	V_F	$I_F = 1\text{ mA}$		0.18		V
		$I_F = 5\text{ mA}$		0.23	0.3	
		$I_F = 100\text{ mA}$		0.35	0.5	
Reverse current	I_R	$V_R = 10\text{ V}$			20	μA
Total capacitance	C_T	$V_R = 0, f = 1.0\text{ MHz}$		20	40	pF

■ Marking

Marking	O9
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