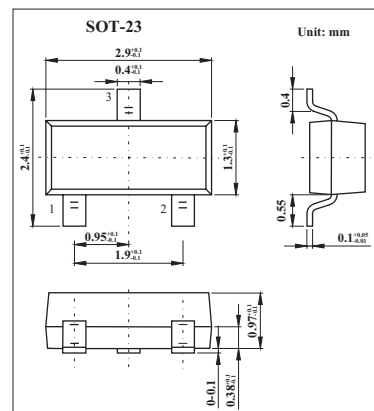


LOW VOLTAGE HIGH SPEED SWITCHING

1SS348

■ Features

- Small package
- Low forward voltage: $V_{F(3)} = 0.56V(\text{Typ})$.
- Low voltage current: $I_R = 5\mu A(\text{Max})$.

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

Parameter	Symbol	Rating	Unit
Maximum(Peak) Reverse Voltage	V_{RM}	85	V
Reverse Voltage	V_R	80	V
Maximum(Peak) Forward Current	I_{FM}	300	mA
Average Rectified Current	I_o	100	mA
Power Dissipation	P	200	mW
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 to +125	$^\circ\text{C}$
Operating Temperature	T_{opr}	-40 to +100	$^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Continuous reverse voltage	V_F	$I_F = 10 \text{ mA}$		0.26		V
		$I_F = 10 \text{ mA}$		0.34		
		$I_F = 100 \text{ mA}$		0.56	0.7	
Reverse current	I_R	$V_R = 80 \text{ V}$			5	μA
Total capacitance	C_T	$V_R = 0, f = 1.0 \text{ MHz}$		45	100	pF

■ Marking

Marking	K9
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