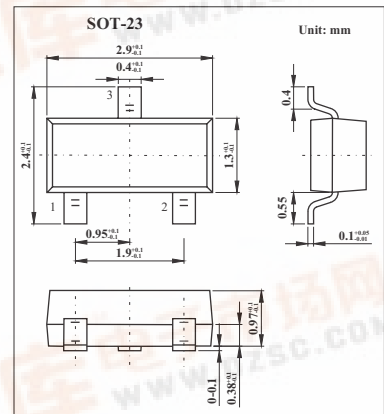


SMD Type Diodes

LOW VOLTAGE HIGH SPEED SWITCHING  
1SS392

■ Features

- Small package
- Low forward voltage : $V_F = 0.54V$ (Typ).
- Low reverse current : $I_R = 5 \mu A$ (Max).



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

Parameter	Symbol	Rating	Unit
Maximum(Peak) Reverse Voltage	$V_{RM}$	45	V
Reverse Voltage	$V_R$	40	V
Maximum(Peak) Forward Current	$I_{FM}$	300*	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	$V_F$	$I_F = 1 \text{ mA}$		0.28		V
		$I_F = 10 \text{ mA}$		0.36	0.3	
		$I_F = 100 \text{ mA}$		0.54	0.6	
Reverse current	$I_R$	$V_R = 40 \text{ V}$			5	$\mu A$
Total capacitance	$C_T$	$V_R = 0, f = 1.0 \text{ MHz}$		18	25	pF

■ Marking

Marking	R9
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