



**1SS372**

## Features

- Halogen free available upon request by adding suffix "-HF"
- High reliability
- Low Forward Voltage
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking:N9
- Lead Free Finish/Rohs Compliant ("P" Suffix designates Compliant. See ordering information)

## Maximum Ratings

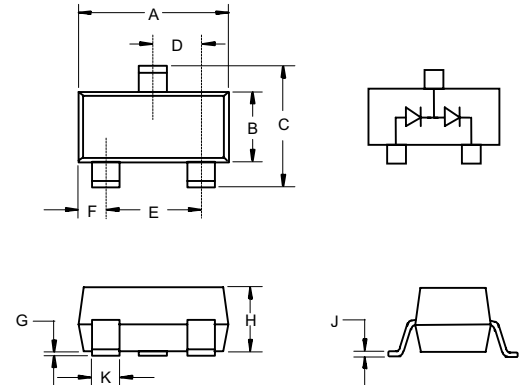
Symbol	Parameter	Rating	Unit
$V_{RM}$	Peak Reverse Voltage	10	V
$I_F$	Forward Current	100	mA
$I_{FM}$	Peak Forward Current	200	mA
$I_{FSM}$	Peak Forward Surge Current@10ms	1	A
$P_D$	Power Dissipation	100	mW
$R_{thJA}$	Thermal Resistance From Junction To Ambient	1000	$^{\circ}C/W$
$T_J$	Junction Temperature	-55 to +125	$^{\circ}C$
$T_{STG}$	Storage Temperature	-55 to +150	$^{\circ}C$

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
<b>OFF CHARACTERISTICS</b>					
$V_F$	Forward Voltage ( $I_F=1mA_{dc}$ ) ( $V_R=5mA_{dc}$ ) ( $V_R=100mA_{dc}$ )	---	0.18 0.3 ---	---	Vdc
$I_R$	Reverse Current ( $V_R=10V_{dc}$ )	---	---	20	$\mu A_{dc}$
$V_{BR}$	Reverse Current ( $I_R=100\mu A_{dc}$ )	10	---	---	Vdc
$C_D$	Diode Capacitance ( $V_R=0V$ , $f=1MHz$ )	---	---	40	pF

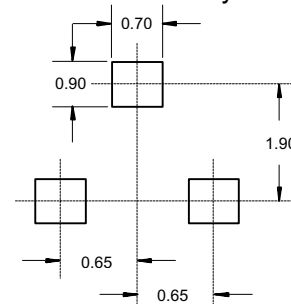
**100 mA**  
**Schottky Barrier Diode**  
**10 Volts**

## SOT-323



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.083	.096	2.10	2.45	
D	.026 Nominal		0.65Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.006	.016	.15	.40	

## Suggested Solder Pad Layout



## Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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