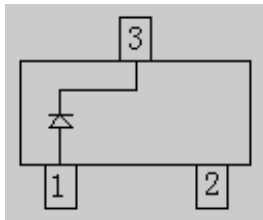


# BAS101

## Small-Signal Switching Diodes



**SOT-23**



### Features

VR 250V  
IFAV 200mA

### Typical Applications

Extreme fast switches

### Mechanical Data

**Package:** SOT23  
**Terminals:** Tin plated leads, solderable per J-STD-002 and JESDA 6  
**Marking:** JS

### Maximum Ratings (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	$V_{RRM}$	V		250
Reverse Voltage	$V_R$	V		250
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	A	t=8.3ms, Half sine-wave	2
Average forward current	$I_{FAV}$	mA		200
Power dissipation	$P_D$	mW		250
Junction temperature	$T_j$			150
Storage temperature range	$T_{stg}$			-55 to +150

### Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Maximum Reverse Current	$I_R$	nA	$V_R = 120V$ $I_F = 100mA$	10
Minimum Breakdown Voltage	$V_R$	V	$I_R = 100\mu A$	20
Maximum Diode Capacitance	$C_D$	pF	$V_R = 10V$ & $f = 1MHz$	5
Maximum Reverse Recovery Time	$t_{rr}$	ns	$I_F = 10mA$ & $I_R = 100\mu A$ & $I_{RR} = 13mA$	30

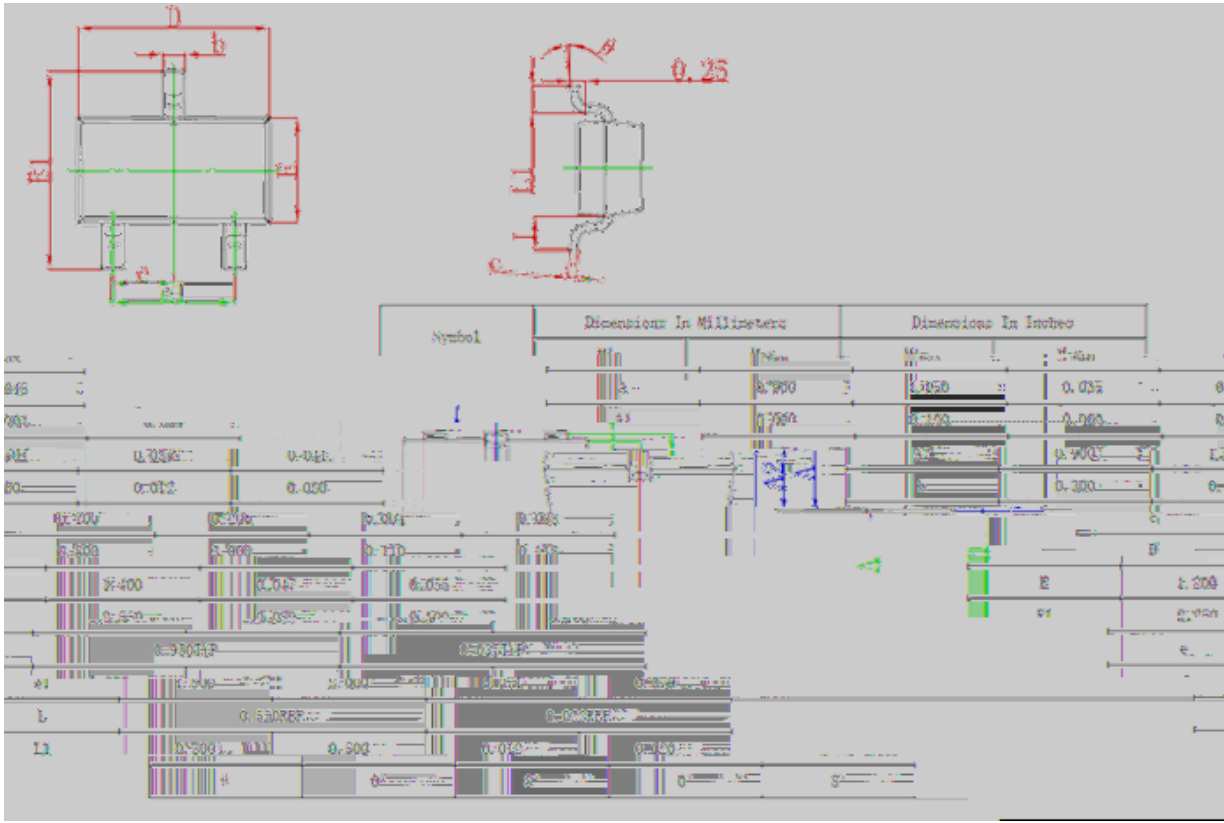
# BAS101

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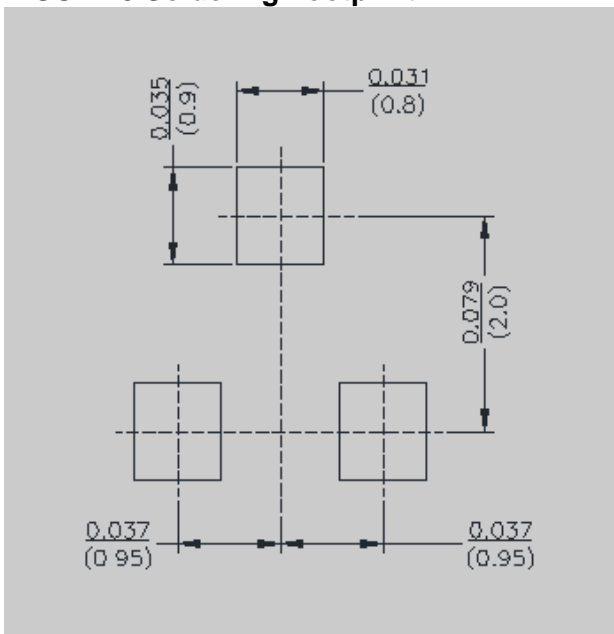


# BAS101

## SOT-23 Package Outline Dimensions



## SOT-23 Soldering Footprint





## BAS101

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### Disclaimer

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