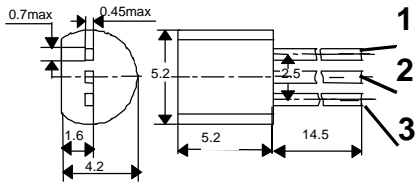


# 2N4991

Silicon bilateral switch (SBS)  
in package TO-92



## Pinouts:

1- Anode II, 2- Gate, 3- Anode I

## Ratings

Symbol	Parameter, units	Limits
$I_{T(rms)}$	DC forward anode current, mA	200
$I_{gm}$	DC gate current, mA	5
$I_{T(sm)}$	Peak recurrent forward current, A, (1% duty cycle, 10 $\mu$ sec pulse width)	1
<b>P</b>	Power dissipation, mW	300

## Electrical Characteristics ( $T_A=25^\circ\text{C}$ )

Symbol	Parameter, unit, test conditions	Limits	
		min	max
$V_S$	Switching voltage, V	6	10
$I_S$	Switching current, $\mu\text{A}$		500
$I_H$	Holding current, mA		1.5
$I_B$	Current (off-state), $\mu\text{A}$ , $V_F=5\text{V}$		0.1
$V_F$	On-State voltage, V, $I_F=175\text{mA}$		1.5