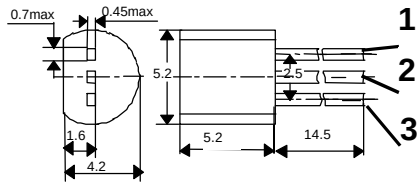


2N4991

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, 10μsec pulse width)	1
P	Power dissipation, mW	300

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

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