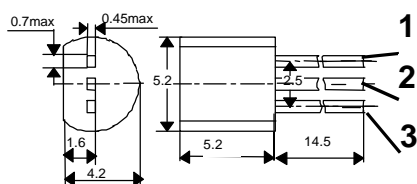


2N4990

Silicon unilateral switch (SUS)
in package TO-92



Pinouts:

1- Cathode, 2- Gate, 3- Anode

Ratings

Symbol	Parameter, units	Limits
V_{rrm}	Peak reverse voltage, V	-30
$I_{T(rms)}$	DC forward anode current, mA	175
I_{gm}	DC gate current, mA	5
$I_{T(sm)}$	Peak recurrent forward current, A, (1% duty cycle, 10 μ sec pulse width)	1
P	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	7	9
I_S	Switching current, μA		200
I_H	Holding current, mA		0.75
I_R	Revers current, μA , $V_R=-30\text{V}$		0.1
I_B	Forward current (off-state), μA , $V_F=5\text{V}$		0.1
V_F	On-State voltage, V, $I_F=175\text{mA}$		1.5