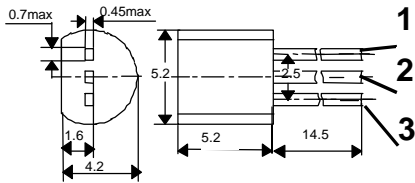# 2N4987

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

Electrical Characteristics (T_A=25°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_R	Revers current, μA, V_R=-30V		0.1
I_B	Forward current (off-state), μA, V_F=5V		0.1
V_F	On-State voltage, V, I_F=175mA		1.5