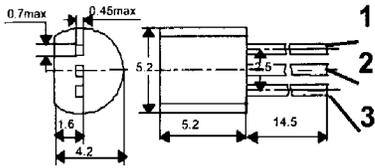


2N4988
 Silicon unilateral switch (SUS)
 in package TO-92



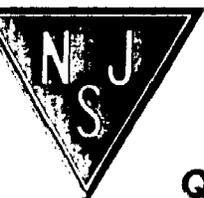
Pinouts:
 1- Cathode, 2- Gate, 3- Anode

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	7.5	9
I_S	Switching current, μ A		150
I_H	Holding current, mA		0.5
I_R	Revers current, μ A, $V_R=-30V$		0.1
I_B	Forward current (off-state), μ A, $V_F=5V$		0.1
V_F	On-State voltage, V, $I_F=175mA$		1.5



NJ Semi-Conductors reserves the right to change test conditions, parameters limits and package dimensions without notice information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

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