

# Tube Screamer

## Components

<b>C1</b>	47nF	<b>R1</b>	2M2	<b>DRIVE</b>	500K Linear
<b>C2</b>	47pF Ceramic	<b>R2</b>	470K	<b>TONE</b>	20K W-taper (or linear)
<b>C3</b>	220nF	<b>R3</b>	47K	<b>VOLUME</b>	100K Log
<b>C4</b>	220nF	<b>R4</b>	1K		
<b>C5</b>	1uF (Electrolytic)	<b>R5</b>	1K	<b>IC1</b>	4558 or 4559
<b>C6</b>	100uF	<b>R6</b>	220 OHM		
<b>C7</b>	47uF	<b>R7</b>	47 OHM	<b>D1</b>	1N4148
<b>C8</b>	47nF	<b>R8</b>	10K	<b>D2</b>	Jumper wire
		<b>R9</b>	10K	<b>D3</b>	1N4148
		<b>R10</b>	4K7	<b>D4</b>	Jumper wire

There is space on the PCB for different diode clipping options, where it states jumper wire you should solder a piece of wire between the pads, or you can put another 1N4148 in D2 to get asymmetrical clipping like an Ibanez SD1.

## Board Connections

The PCB connections are labelled as the following:

I - Input, O - Output, V - 9V DC in, G - Ground

Potentiometers are connected from pin 1 to the square pad on the PCB. This board was designed so you can use right-angle board mount potentiometers on it if desired, otherwise you will need to solder wired from the pads to the correct pin/lug. Jack sleeves and DC centre pin should be connected to ground. V, LED + with a 2K2 resistor in series should be connected to the positive pin of the DC connector.

