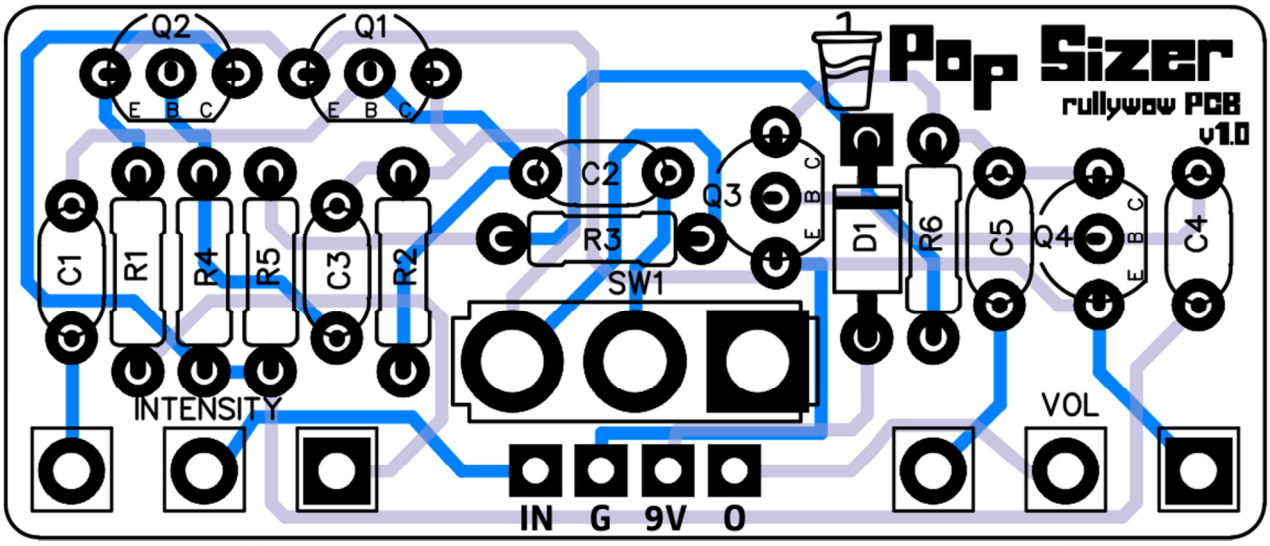
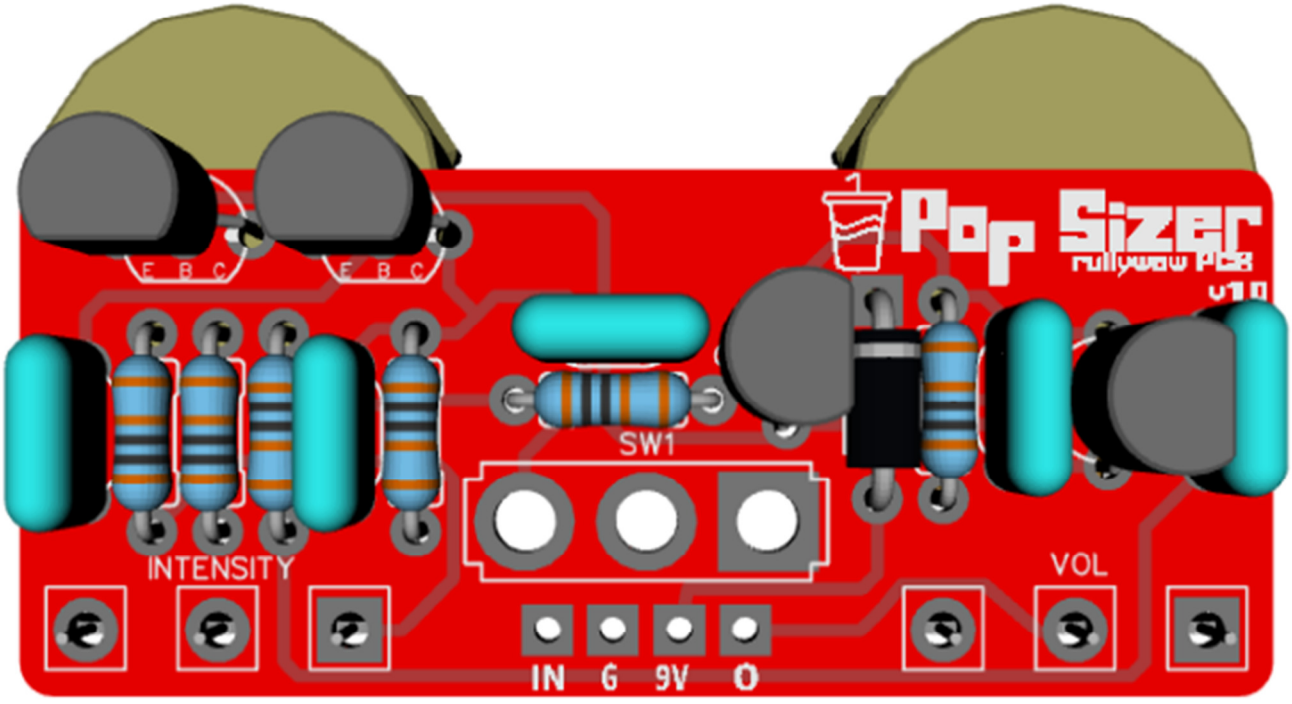




PCB Dimensions: 1.9" x 0.8"

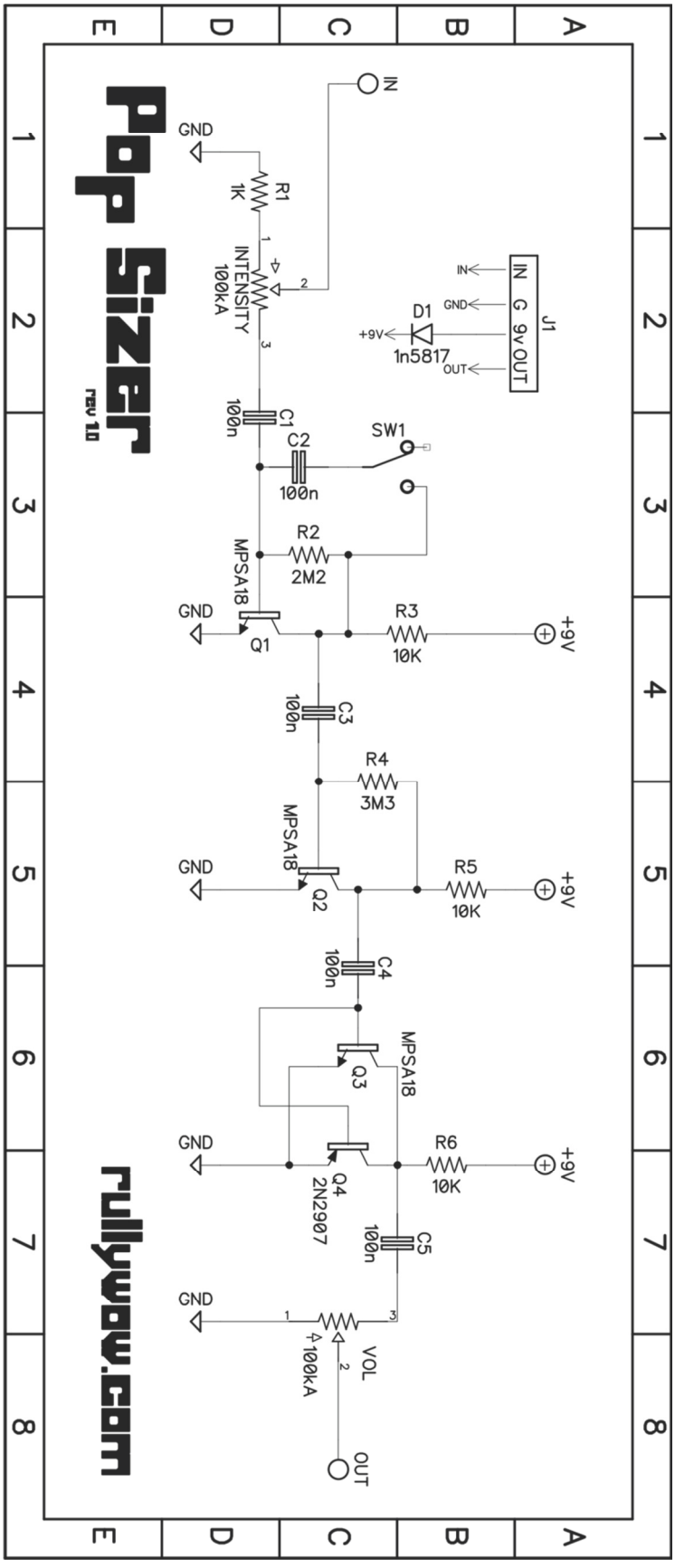
Description:

The Pop Sizer is inspired by the Devi Ever "Soda Meiser". This is one wacky fuzz. Lots of creamy over-the-top sounds and octave harmonics abound within this circuit. Rullywow.com brings you an easy-to-populate layout which will have you fuzzing it up in no time.

PopSizer v1.0							
Caps			Diodes		Resistors	
C1-C5	100n	film	D1	1n5817	R1	1K
Transistors			Pots		R2	2M2
Q1,Q2,Q3	MPSA18		VOL	100kA	R3	10K
Q4	2N2907		INTENSITY	100kA	R4	3M3
			Switch		R5	10K
			SW1-CHAOS	SPDT	R6	10K

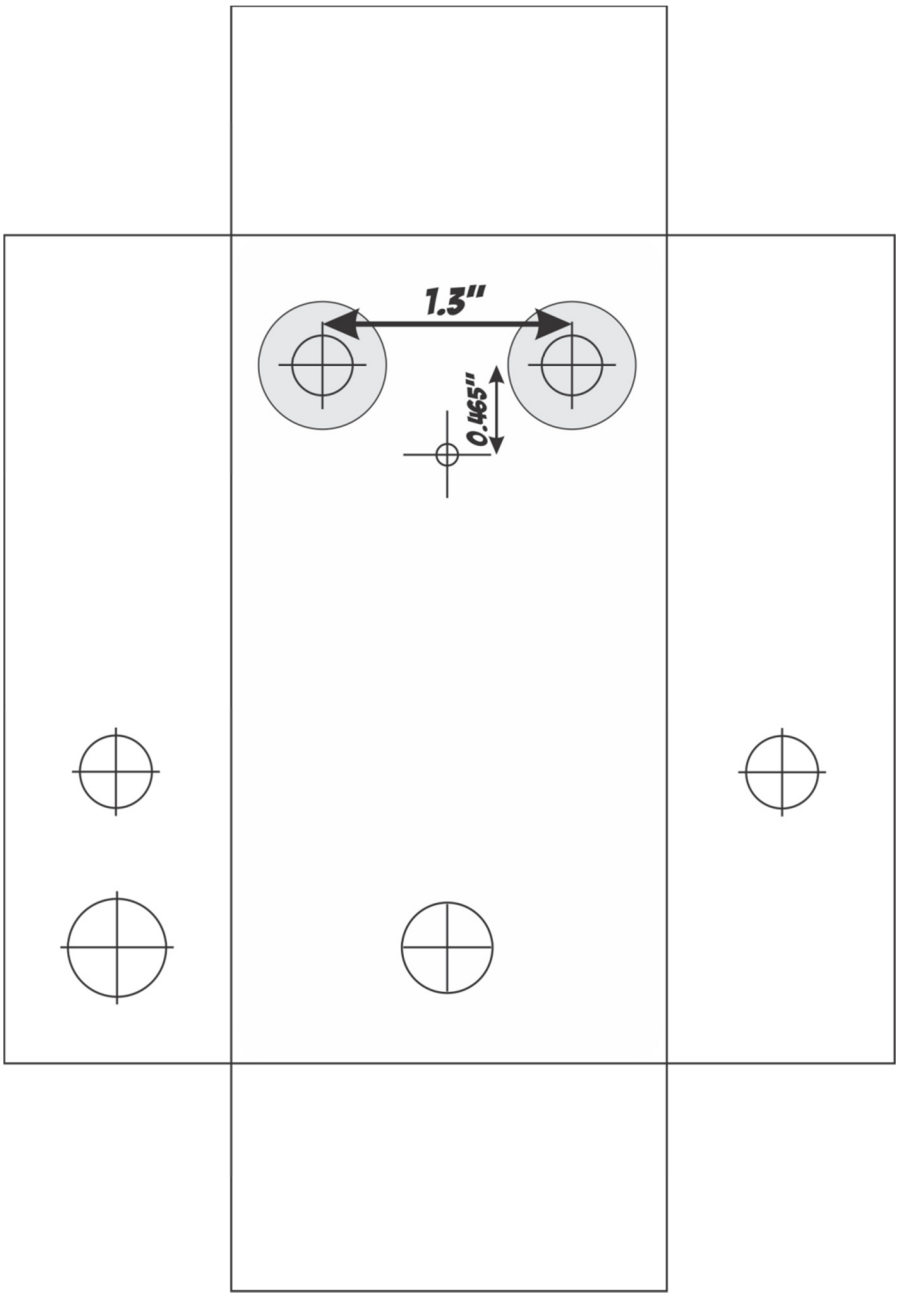
Build Tips & Tricks:

- The IN/G/9V/OUT pads are a direct match to rullywow.com 3PDT and Optical Bypass PCBs available at www.rullywow.com for easy wiring. For the ultimate in neatness, these are spaced 0.100'' apart for easy use with ribbon cable and/or standard headers.
- D1 is a reverse voltage protection diode. If you don't have one on hand, you can use a 1n4001 diode but which has more voltage drop
- SW1 is the ''Chaos'' switch. When engaged (to the right) it will cause the circuit to go into crazy oscillations. Fun sounds can be had when the switch is engaged. A great tip is to put the CHAOS switch on a momentary stomp (thanks Dennis!)
- It is recommended to use the specified transistors. If you don't have them on hand, or want to experiment there are markings on the PCB for EMITTER/BASE/COLLECTOR. They are all ''EBC'' pin out style (looking at front)
- It is usually best practice to solder components from shortest height to tallest. In this case, you should start with resistors, diodes, film caps, and then transistors last.
- All pots are 16mm Alpha PCB mount. It is a very good idea to drill holes in your enclosure first, and mount the pots and switch with the nuts **BEFORE** soldering the pots and switch to the PCB. This ensures you won't put a lot of stress on the PCB and everything lines up nicely.
- Be sure to insulate the pots from shorting on the back of the PCB. There are special pot covers available from places like Smallbear Electronics or you may use tape or some other insulating material.
- Before putting your creation into its enclosure, you should always test it! If it doesn't work outside the enclosure, it won't work inside (I promise!)


Pop Sizer
rev 1.0
IN
GND
R1
1K
INTENSITY
100kA
IN
GND
+9V
D1
1n5817
OUT
J1
IN G 9v OUT
C1
100n
C2
100n
SW1
R2
2M2
MPSA18
Q1
R3
10K
+9V
C3
100n
R4
3M3
MPSA18
Q2
R5
10K
C4
100n
MPSA18
Q3
R6
10K
Q4
2N2907
C5
100n
VOL
100kA
OUT
rullymow.com

Drill Guide (1590B) :

This is an *APPROXIMATE* drill guide. Enclosures differ in size so be sure to measure before your commit to drill!



Terms of Use:

- PCBs from www.rullywow.com are intended for DIY use only and are not allowed for bulk commercial resale alone or with components. It is OK to build (and sell) a few pedals for your friends, bandmates, yourself (that is what the DIY guitar pedal community is all about!) Any questions, please contact us.