Simple Audio Oscillator MK2
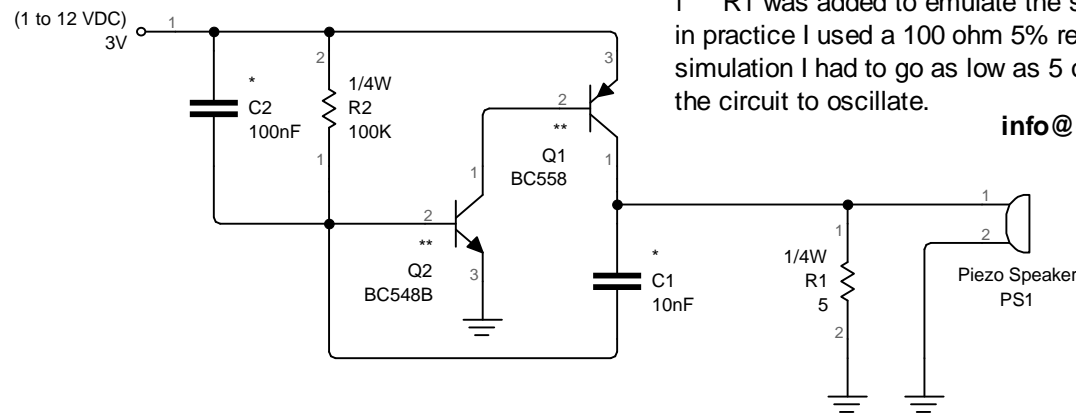
l   Added C2 to improve output power
l   Removed the 8 ohms speaker and used a
piezo speaker instead.
l   R1 was added to emulate the speaker load,
in practice I used a 100 ohm 5% resistor, in the
simulation I had to go as low as 5 ohms to get
the circuit to oscillate.

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(1 to 12 VDC)
3V

1

2

3

2

*
C2
100nF

1/4W
R2
100K

**
Q1
BC558

1

1

1

2

**
Q2
BC548B

3

*
C1
10nF

1/4W
R1
5

1

2

1

2

Piezo Speaker
PS1

* Any type, I used polyester but anything goes.

** If you can't find the BC series try using the 2222 with it's complementary
PNP, or the 3094. Pretty much any general purpose transistor will do.