**Schumann osc.**

<http://christopherbradshaw.net/The_Project_Bin/Schumann%20Frequency%20Oscillator%20with%20Scalar%20Coil.html>

**Vyžarovacia cievka: tesla bifilar coil**

**Koncový Zosilovac:**



R 1.0 | 2,2 | 220 | po 2ks

TDA 2008  2x

C

100nF 2x

0,1uF 24V 2x

10uF 6V 2x

470uF 16V 2x

5000uF 12V 2x

<http://www.radiomuseum.org/tubes/tube_tda2004.html>

[**555 sine wave generator**](https://www.google.sk/search?newwindow=1&espv=2&biw=1600&bih=861&tbm=isch&sa=1&q=555+sine+wave+generator&oq=555+sine+wave+generator&gs_l=img.3..0i19j0i8i30i19l8.3953377.3954979.2.3956140.5.5.0.0.0.0.190.523.4j1.5.0....0...1c.1.64.img..0.5.523.qn0Y939b_4Q&dpr=0.9&cad=cbv&sei=z15UVv2KJ8rpapfwtegG#imgrc=HhxwDhFDxQC7UM%3A&sei=z15UVv2KJ8rpapfwtegG)



R  510 x2 ; 10k x6 ; 1k x2 ; 62k x2 ; trim 20k lin x2;

C  100uF / 12V  x2; 10uF x1 ; 0,47uF x1 ; 0,01uF x2 ;  0,1uF x3;

IC 555  x2 *(výpočet f RC obvodu* [*http://www.synergy-project.net/de/node/239*](http://www.synergy-project.net/de/node/239)*)*

lin. regulátor napätia:  7805 x2 , 7812 x2 , 7815 x2

konektor napájania HS25 samec a samica do panelu

puzdro poistkové do panelu 250V , poistky 300mA

liehová fix na kreslenie DPS

plastová konštrukčná krabička:  ??

<http://www.seekic.com/circuit_diagram/Signal_Processing/Various_waveforms_generator.html>

**Ďalšie schémy s IC 555**

<http://www.talkingelectronics.com/projects/50%20-%20555%20Circuits/50%20-%20555%20Circuits.html#B>

**Sínusový LFO**

<http://zpostbox.ru/sine_wave_signal_generator.html>

<http://www.next.gr/oscillators/sine-wave/index4.html>