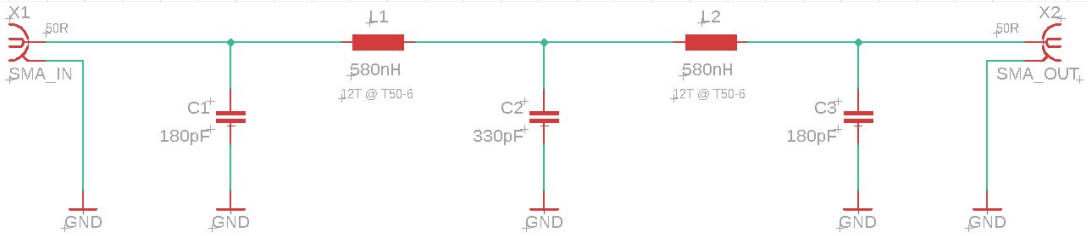
Circuit:



1.) Define cut off frequencies:

$f_C := 14500000$ for 20m Band (14MHz to 14.35MHz)

2.) Define impedances:

$X_{C1} := 50$ Ohm $X_{C3} := X_{C1} = 50$ Ohm $X_{C2} := \frac{X_{C1}}{2} = 25$ Ohm

$X_{L1} := 50$ Ohm $X_{L2} := X_{L1} = 50$ Ohm

3.) Calculate indcutor value:

$L_1 := \frac{X_{L1}}{2 \cdot \pi \cdot f_C} = 0.000000549$ H = 549nH

$L_2 := \frac{X_{L2}}{2 \cdot \pi \cdot f_C} = 0.000000549$ H = 549nH

4.) Define inductor core and turns ($L = L_1 = L_2$):

$L_1 := 530 \cdot 10^{-9}$ H = 530nH -->11.5T @ T50-6 Core --> "toroids.info/T50-6.php"

$L_2 := 530 \cdot 10^{-9}$ H = 530nH -->11.5T @ T50-6 Core --> "toroids.info/T50-6.php"

--> 580nH is chosen after simulation and tests: 12T @ T50-6 Core

5.) Calculate capacitor values:

$C_1 := \frac{1}{2 \cdot \pi \cdot f_C \cdot X_{C1}} = 0.00000000022$ F = 220pF $C_3 := C_1 = 2.195 \cdot 10^{-10}$ F = 220pF

$C_2 := \frac{1}{2 \cdot \pi \cdot f_C \cdot X_{C2}} = 0.000000000439$ F = 439pF --> 220pF // 220pF = 440pF

--> 330pF and 180pF is chosen after simulation and tests!