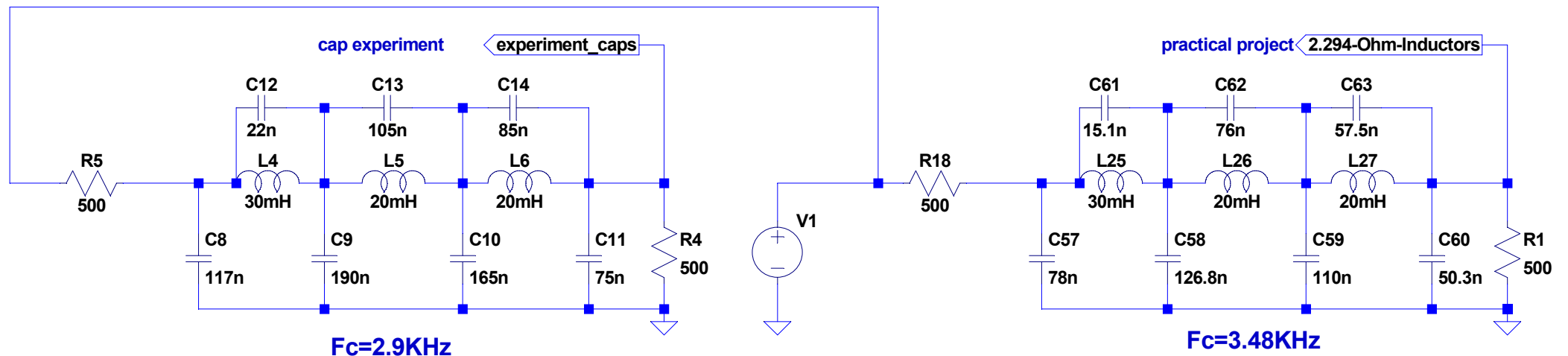


With experiment values (SOURCE DIGIKEY) values 1.5 \* simple

C8 117nf  
C9 190nf  
C10 165nf  
C11 75nf  
C12 22nf  
C13 105nf  
C14 85nf

With simple values (SOURCE DIGIKEY)

C57  $0.068 + 0.01 = 78\text{nF}$   
C58  $0.12 + 0.0069 = 126.8\text{nF}$   
C59  $0.1 + 0.01 = 110\text{nF}$   
C60  $0.047 + 0.0033 = 50.3\text{nF}$   
C61  $0.015 + 0.0001 = 15.1\text{nF}$   
C62  $0.075 + 0.001 = 76\text{nF}$   
C63  $0.056 + 0.0015 = 50.3\text{nF}$



see boms for caps

see boms for caps

Inductor options:

Few inductors are available in 20mH and 30mH values.

It is economical to put 10mH inductors in series for 20 or 30mH.

L1: 3 of specified 10mH coils in series:

L2, L3: 2 of specified 10mH coils in series:

Selections as of 2017-JAN-14:

"Hammond" choke, 10,000uH 1.55DCR, Part Nr. 1539M32, Mouser # 546-1539M32, \$15.55

chosen -> "MuRata" choke, 10,000uH, 2.294DCR, Part# 1410606C, Mouser 580-1410606C, \$4.04

"Panasonic" choke, 10,000uH, 2.7DCR, Part# ELC-18E103L, Mouser 667-ELC-18E103L, \$4.27

"J. W. Miller" choke, 10,000uH, 2.76DCR, Part# 1140-103K-RC, Mouser 542-1140-103K-RC, \$7.65

"Bourns" CHOKE, 10,000 UH, 2.76DCR Mfr. Part#: 1140-103K-RC, Allied Stock#: 70154763, \$7.50

"Coilcraft" Inductor 10,000uH 6.55DCR, Part # RFS1317-106KL, Mouser # 994-RFS1317-106KL, \$2.50

"Jameco Valuepro" 10,000uH 7.3DCR, Part no.: 642927, Manufacturer no.: GSPCU1020-103K08, \$0.99

"API DEL EVAN" 10,000uH 7.3DCR Mfr. Part#: 4590R-106K, Allied Stock#: 70033382, \$2.11

attenua  
summa  
-00 dB  
-00 dB  
-00 dB  
-0.03 dB  
-0.01 dB  
-0.03 dB  
-0.04 dB  
-0.06 dB  
-03 dB  
-06 dB  
-09 dB  
-12 dB  
-18 dB  
-24 dB  
-30 dB  
-36 dB