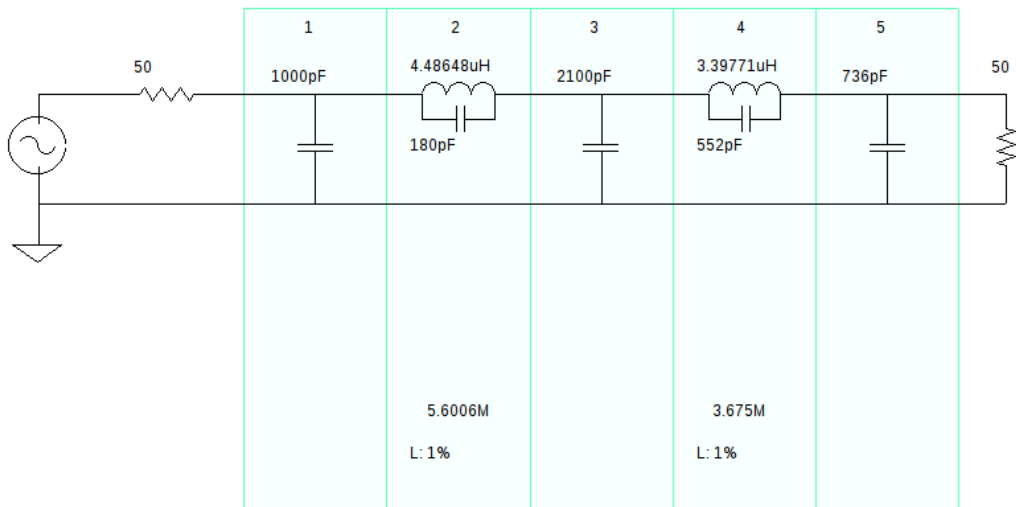
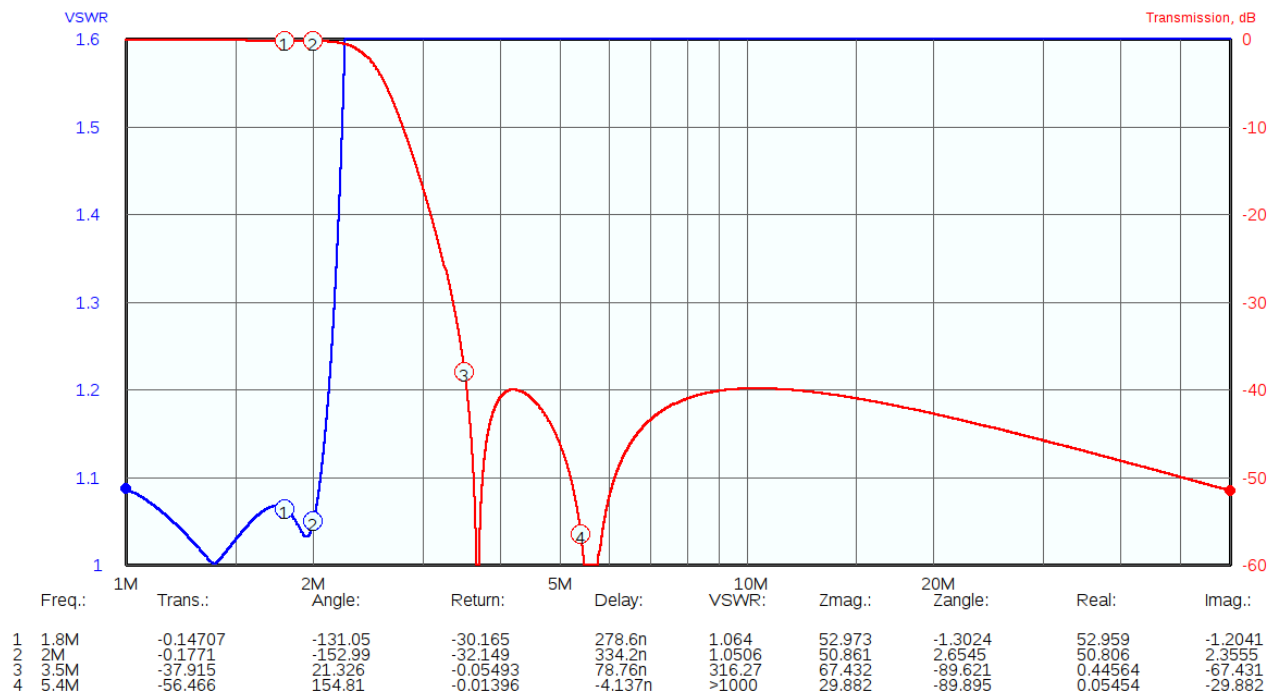


The following are a set of plots for suitable Hi pass filters for Hermes lite. All filters with the exception of the 30 Mhz roofing filter are 5 pole Cauer and designed with a maximum of 2 E12 caps in parallel but in most cases will be a single cap.

160 Metre Plot and schematic follow



Design data:
Bandwidth: 2.04M
Family: Manual entry

Q values:
Inductors: 120
Capacitors: 1000

Maximum / minimum ratios:
Capacitors: 11.667
Inductors: 1.3204

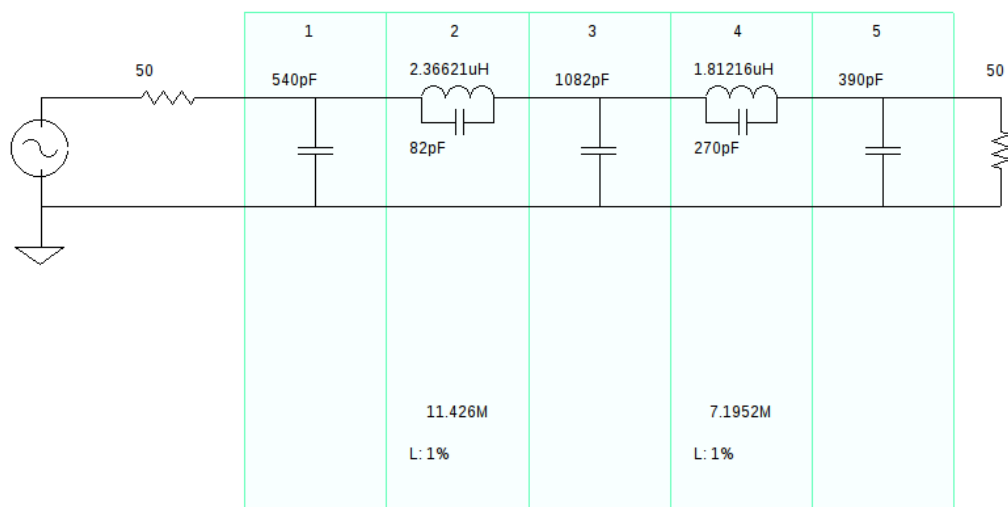
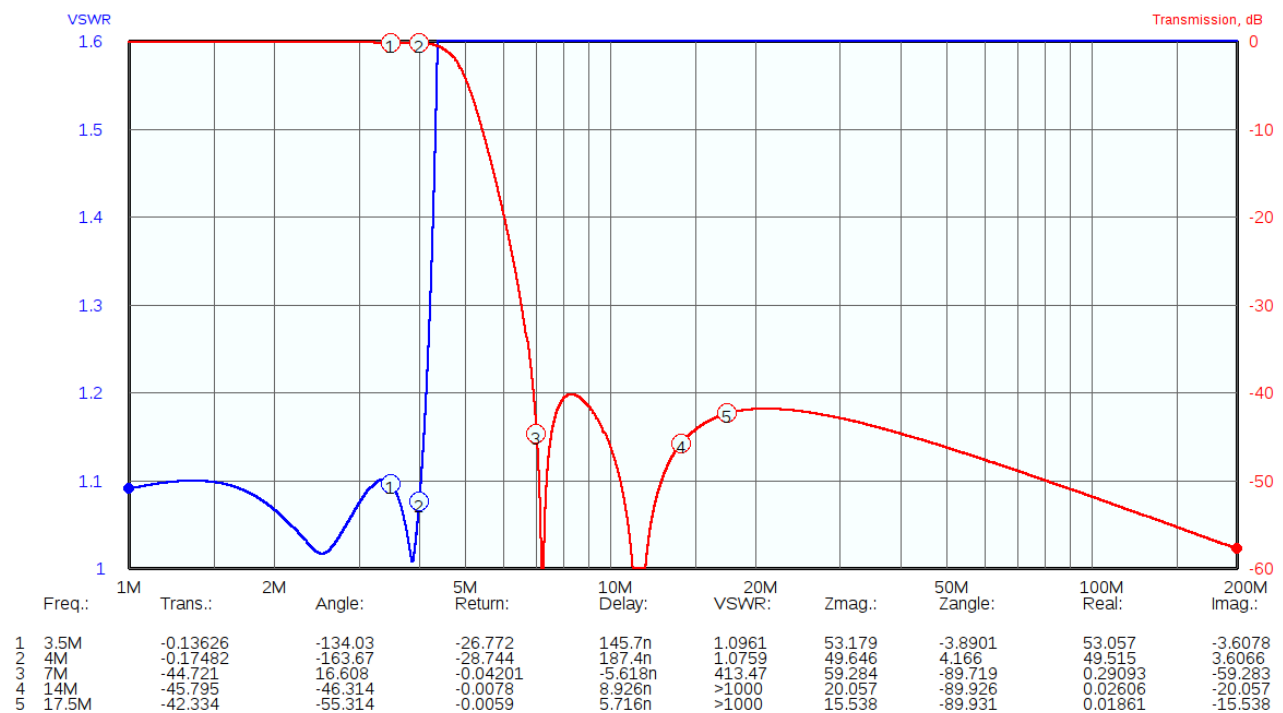
Unbalanced preview

Normal - unbalanced

Balanced - A

Balanced - B

80 Metre Plot and schematic follow



Design data:
Bandwidth: 4M
Family: Manual entry

Q values:
Inductors: 140
Capacitors: 1000

Maximum / minimum ratios:
Capacitors: 13.195
Inductors: 1.3057

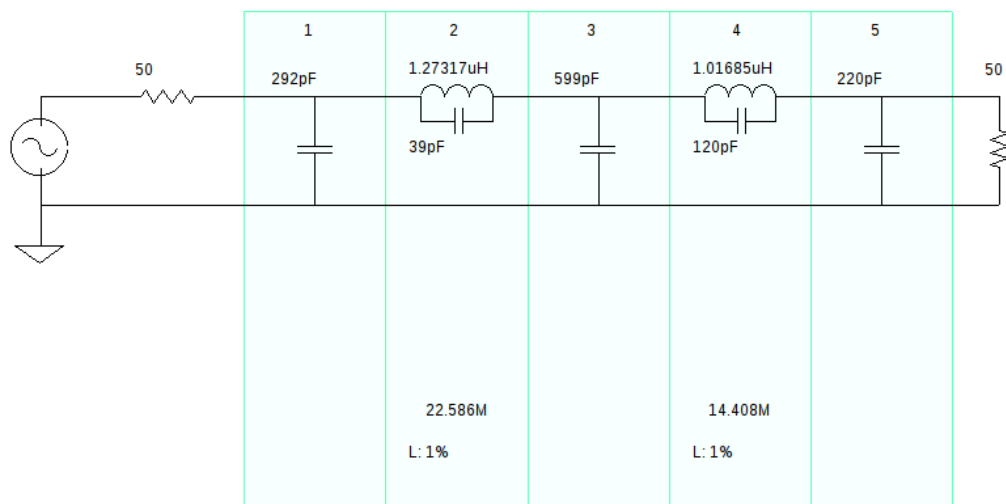
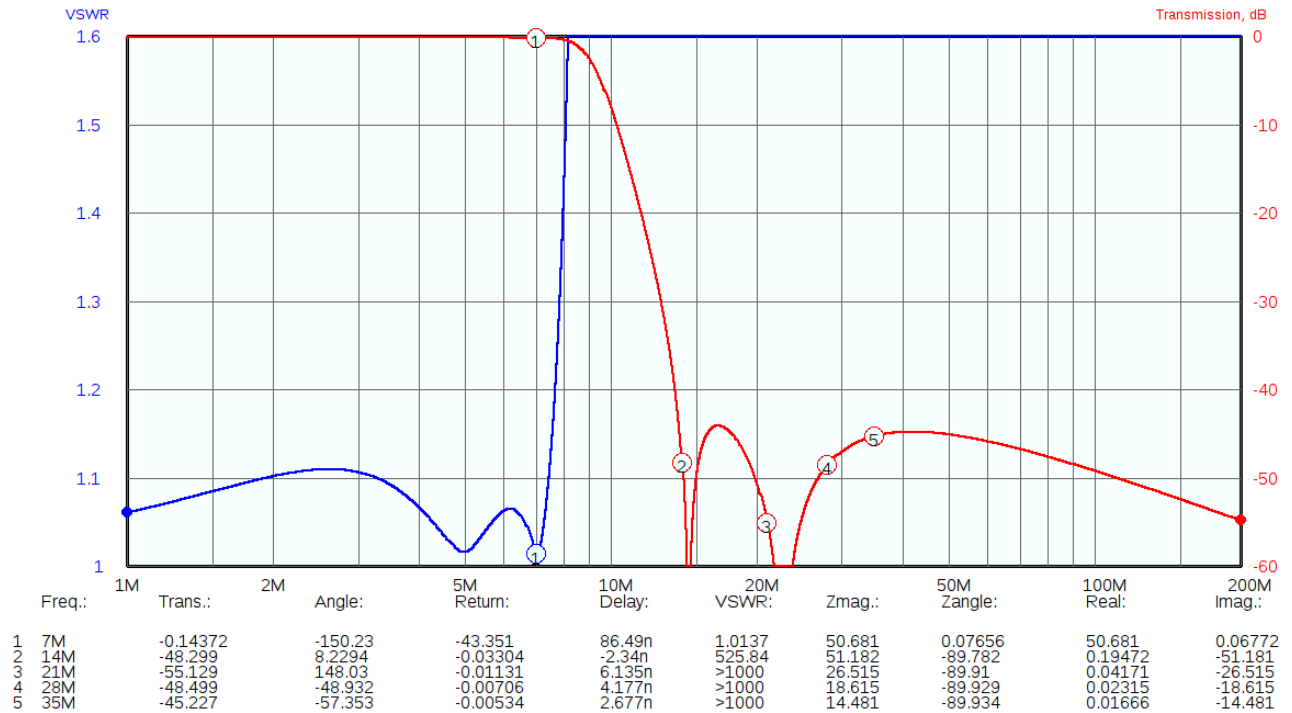
Unbalanced preview

☐ Normal - unbalanced

☐ Balanced - A

☐ Balanced - B

40 Metre Plot and schematic follow



Design data:
Bandwidth: 7.5M
Family: Manual entry

Q values:
Inductors: 140
Capacitors: 1000

Maximum / minimum ratios:
Capacitors: 15.359
Inductors: 1.2521

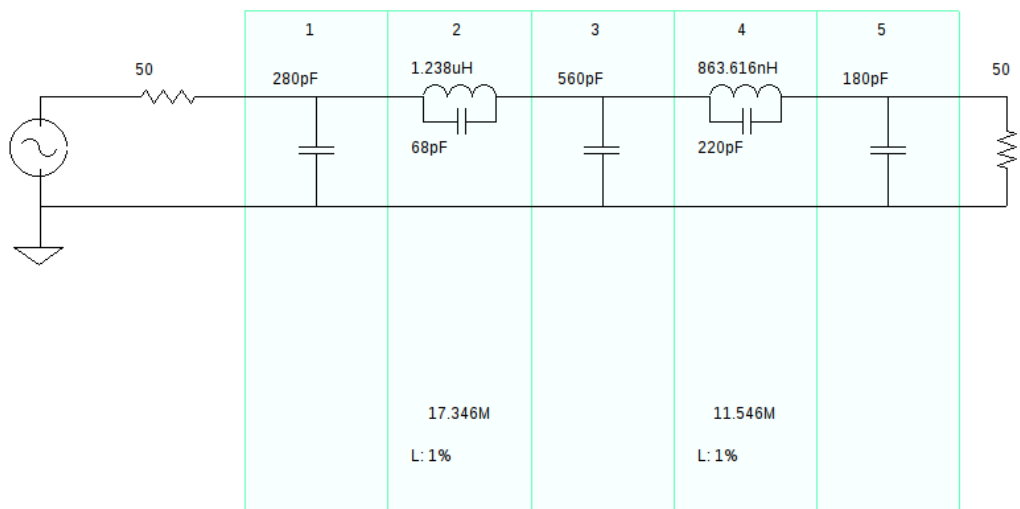
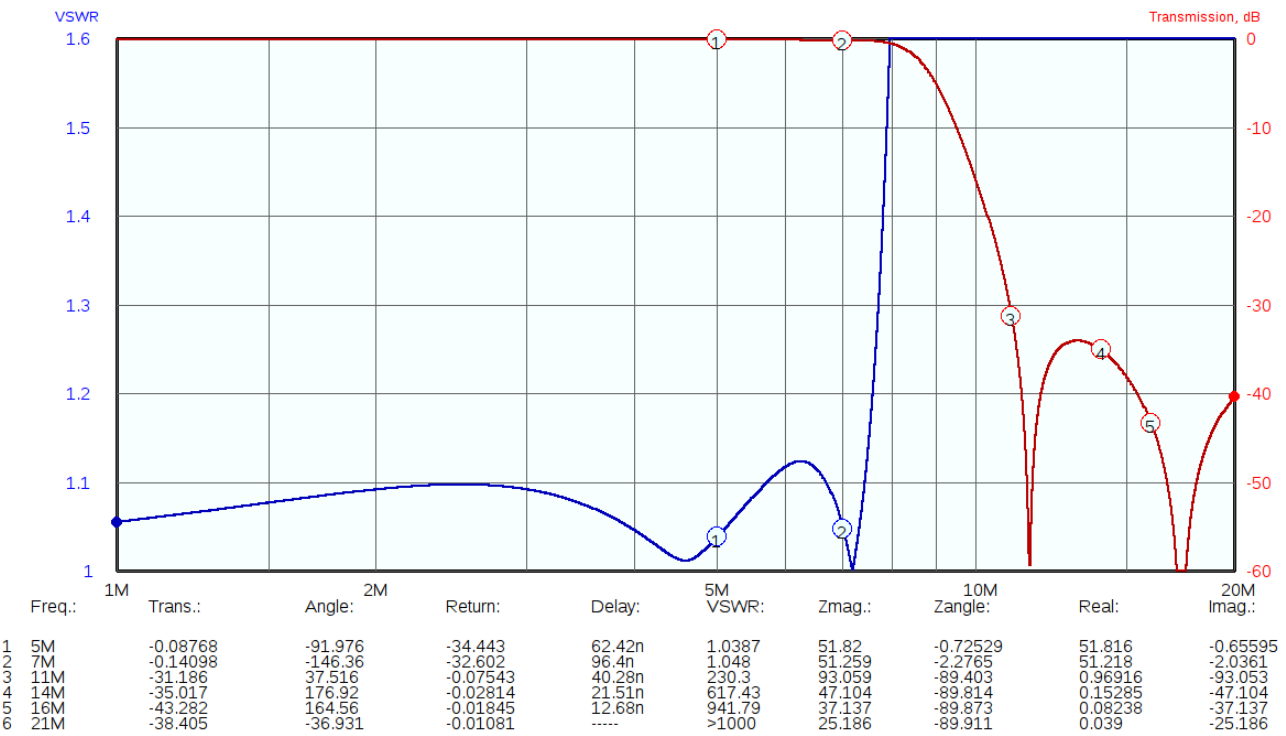
Unbalanced preview

Normal - unbalanced

Balanced - A

Balanced - B

60/40 Metre Plot and schematic follow. This filter compromises the absolute stopband floor to accommodate the 60 metre band with a value of around 35 dB stopband attenuation.



Design data:
Bandwidth: 7.3M
Family: Manual entry

Q values:
Inductors: 160
Capacitors: 1000

Maximum / minimum ratios:
Capacitors: 8.2353
Inductors: 1.4335

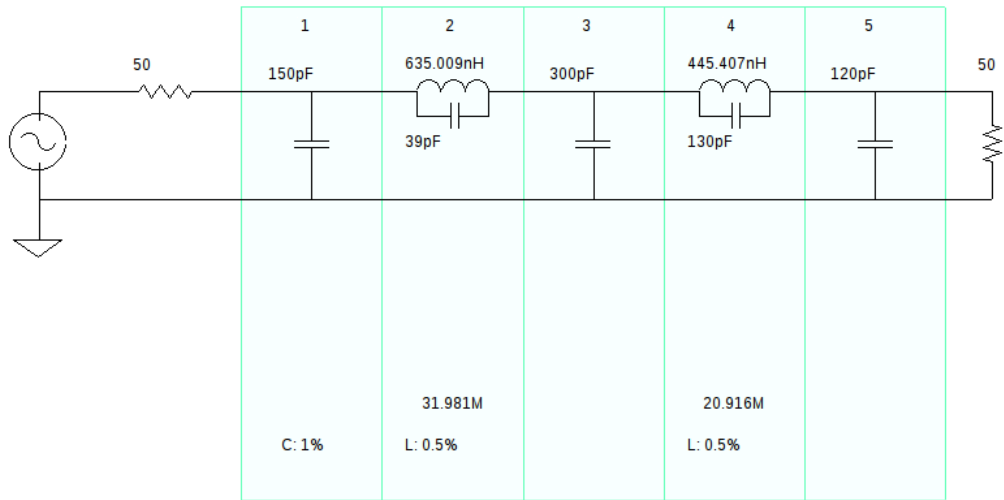
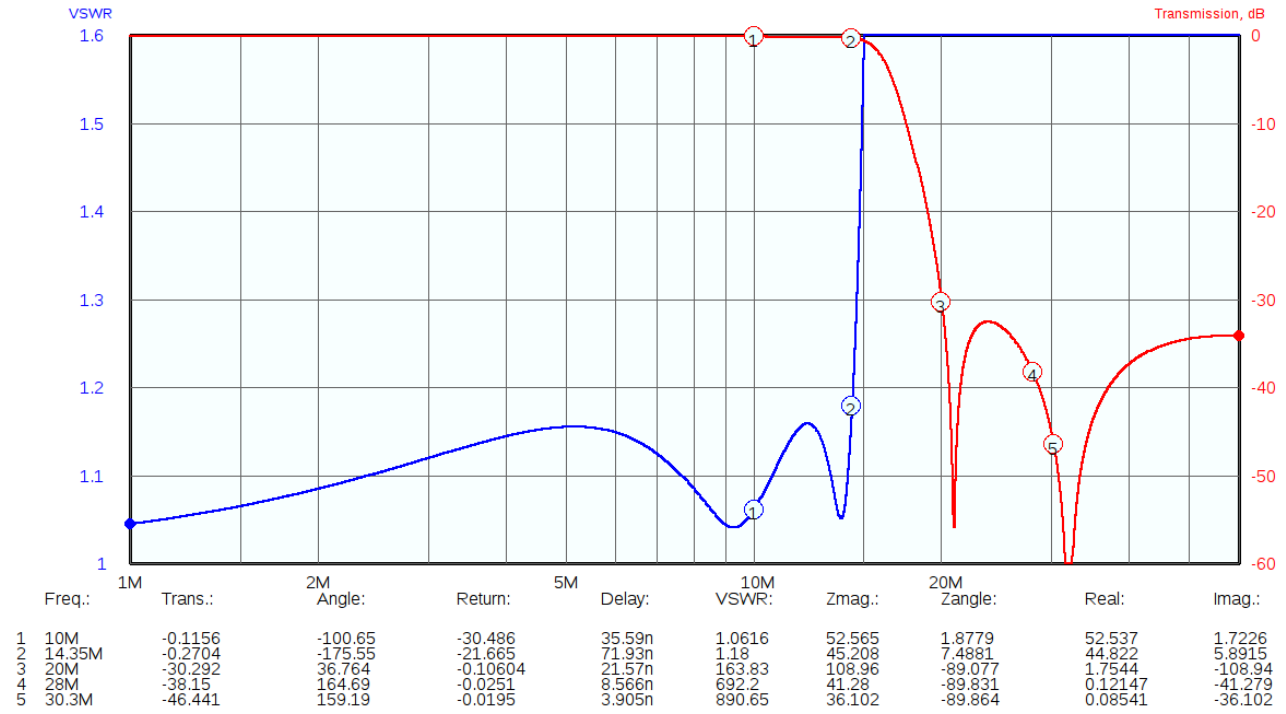
Unbalanced preview

Normal - unbalanced

Balanced - A

Balanced - B

30-20 Metre Plot and schematic follow



Design data:

Bandwidth: 14.5M

Family: Manual entry

Q values:

Inductors: 140

Capacitors: 1000

Maximum / minimum ratios:

Capacitors: 7.6923

Inductors: 1.4257

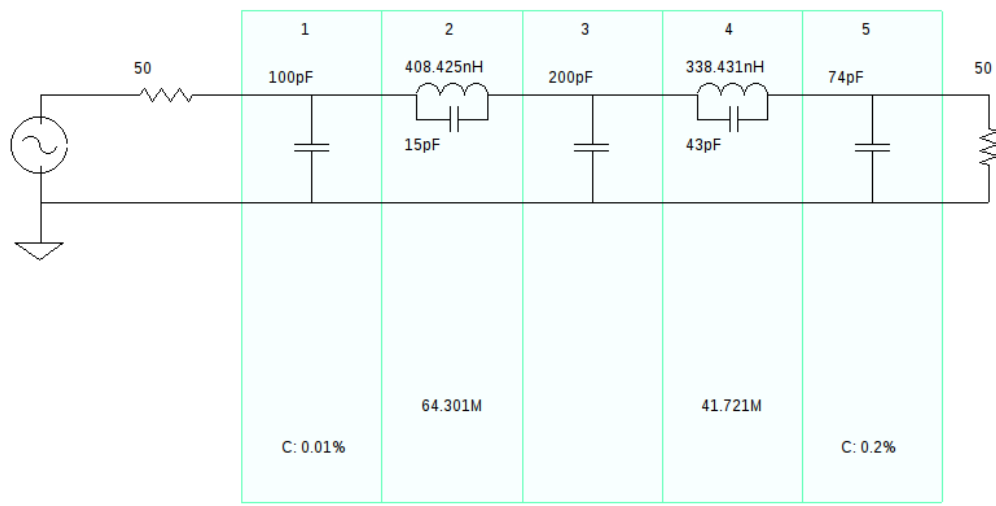
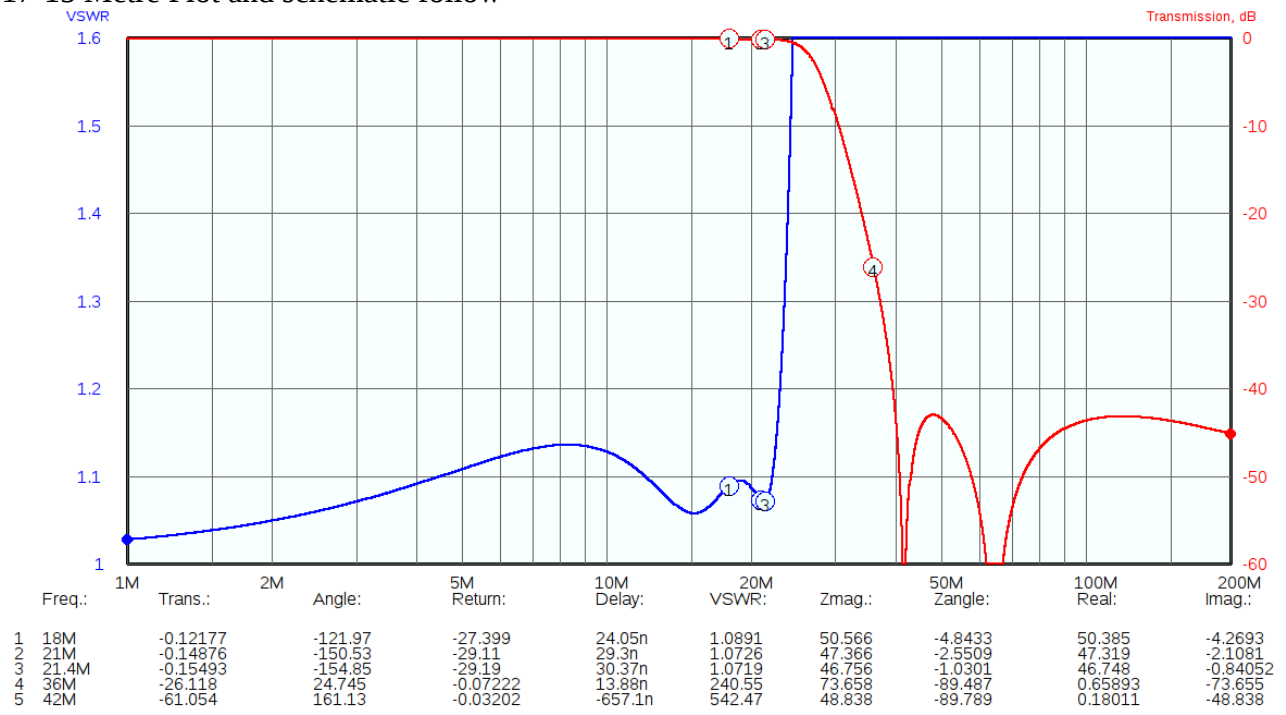
Unbalanced preview:

Normal - unbalanced

Balanced - A

Balanced - B

17-15 Metre Plot and schematic follow



Design data:
Bandwidth: 22M
Family: Manual entry

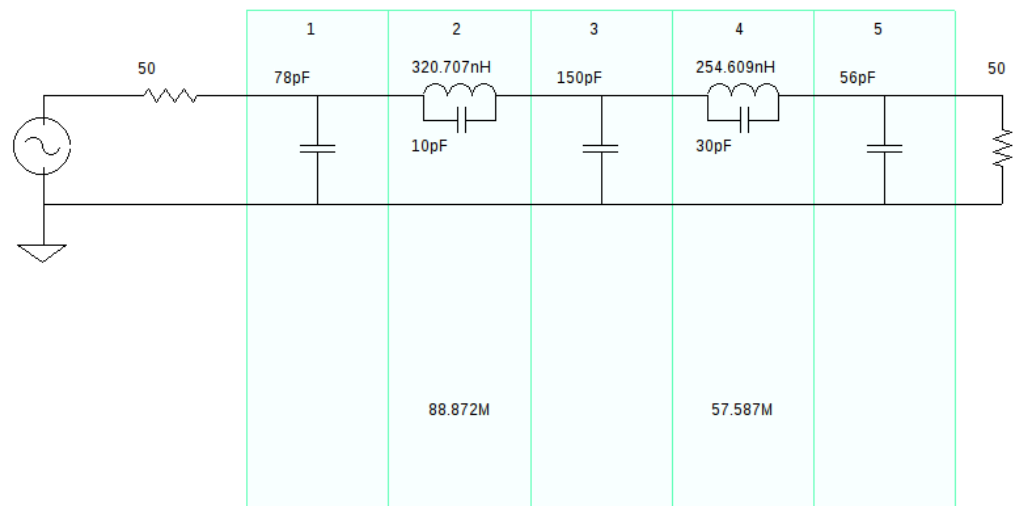
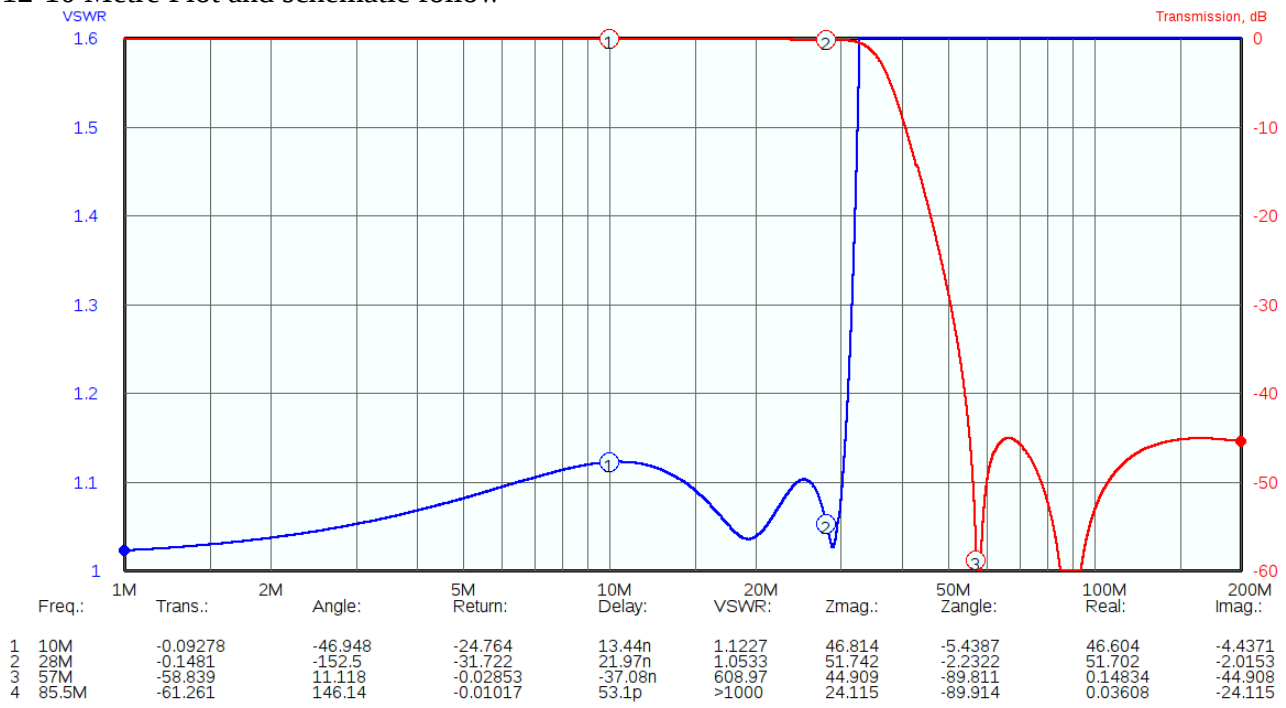
Q values:
Inductors: 140
Capacitors: 1000

Maximum / minimum ratios:
Capacitors: 13.333
Inductors: 1.2068

Unbalanced preview

Normal - unbalanced
Balanced - A
Balanced - B

12-10 Metre Plot and schematic follow



Design data:
Bandwidth: 30M
Family: Manual entry

Q values:
Inductors: 140
Capacitors: 1000

Maximum / minimum ratios:
Capacitors: 15
Inductors: 1.2596

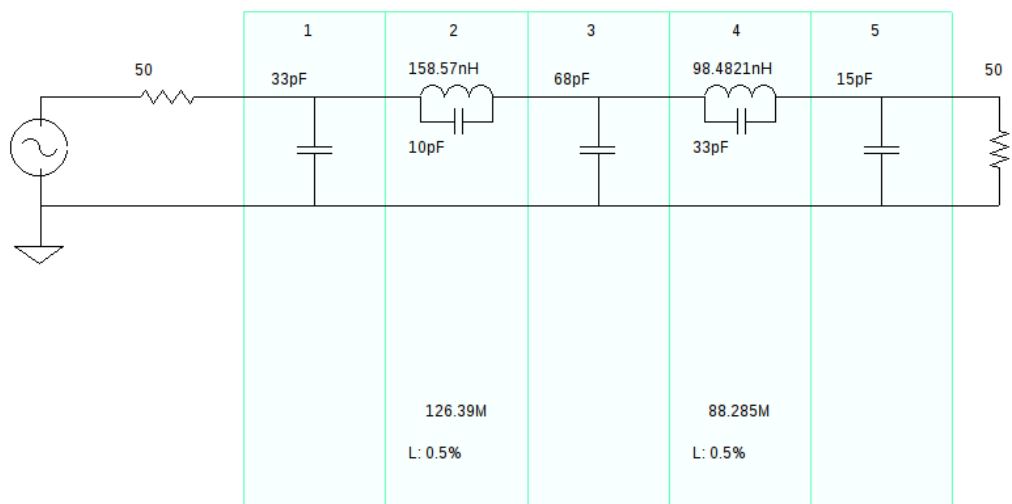
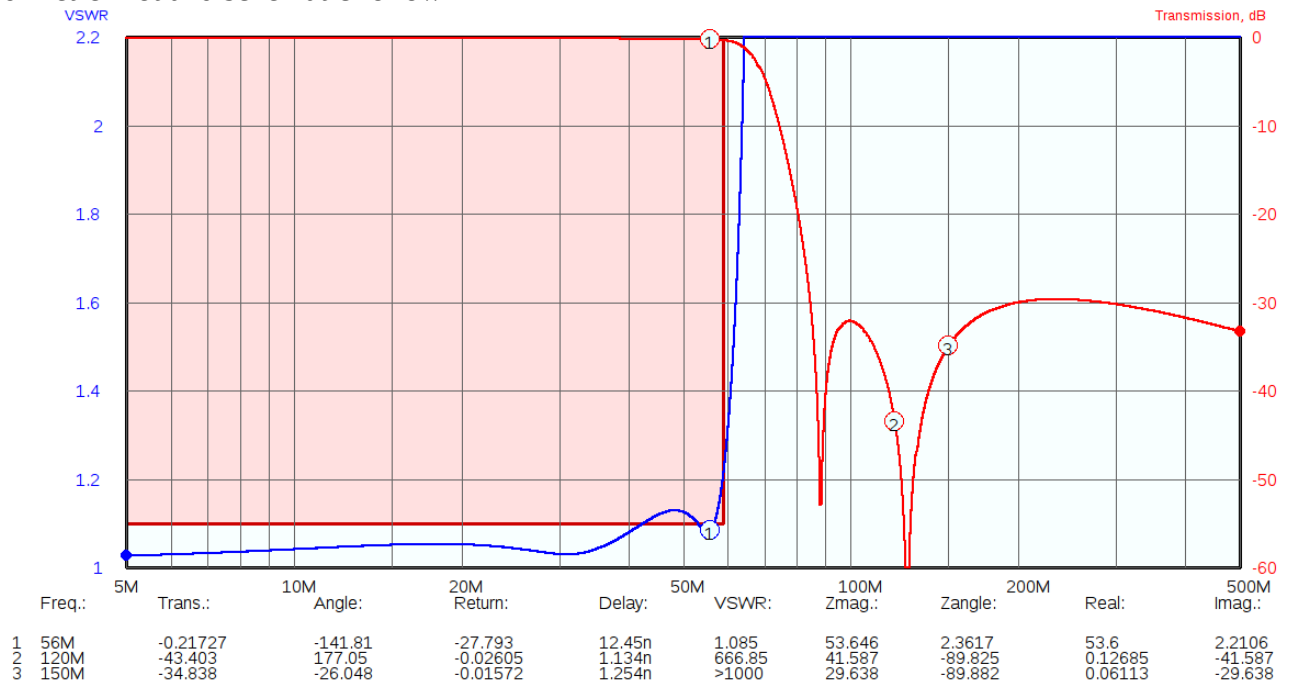
Unbalanced preview

☒ Normal - unbalanced

☐ Balanced - A

☐ Balanced - B

6 Metre Plot and schematic follow



Design data:
Bandwidth: 56M
Family: Manual entry

Q values:
Inductors: 100
Capacitors: 1000

Maximum / minimum ratios:
Capacitors: 6.8
Inductors: 1.6101

Unbalanced preview

Normal - unbalanced

Balanced - A

Balanced - B

