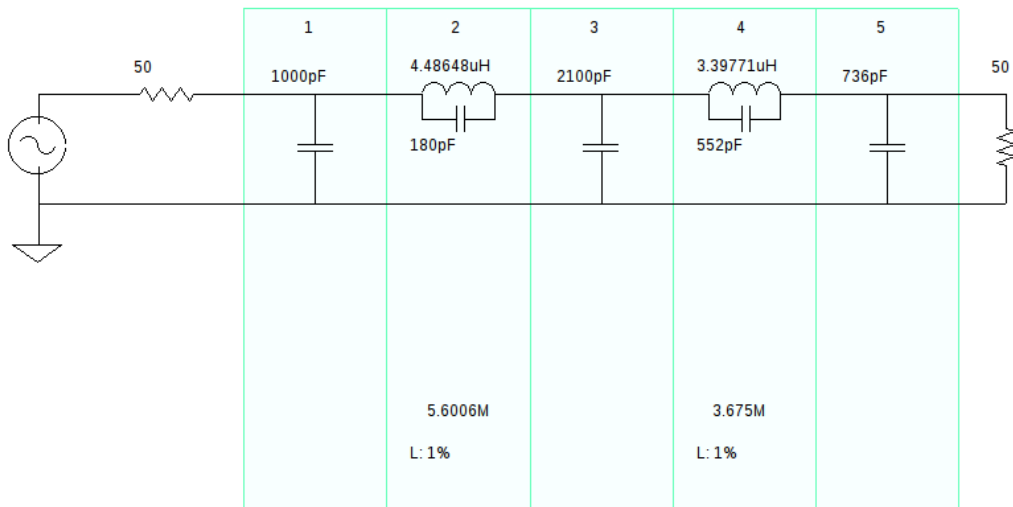
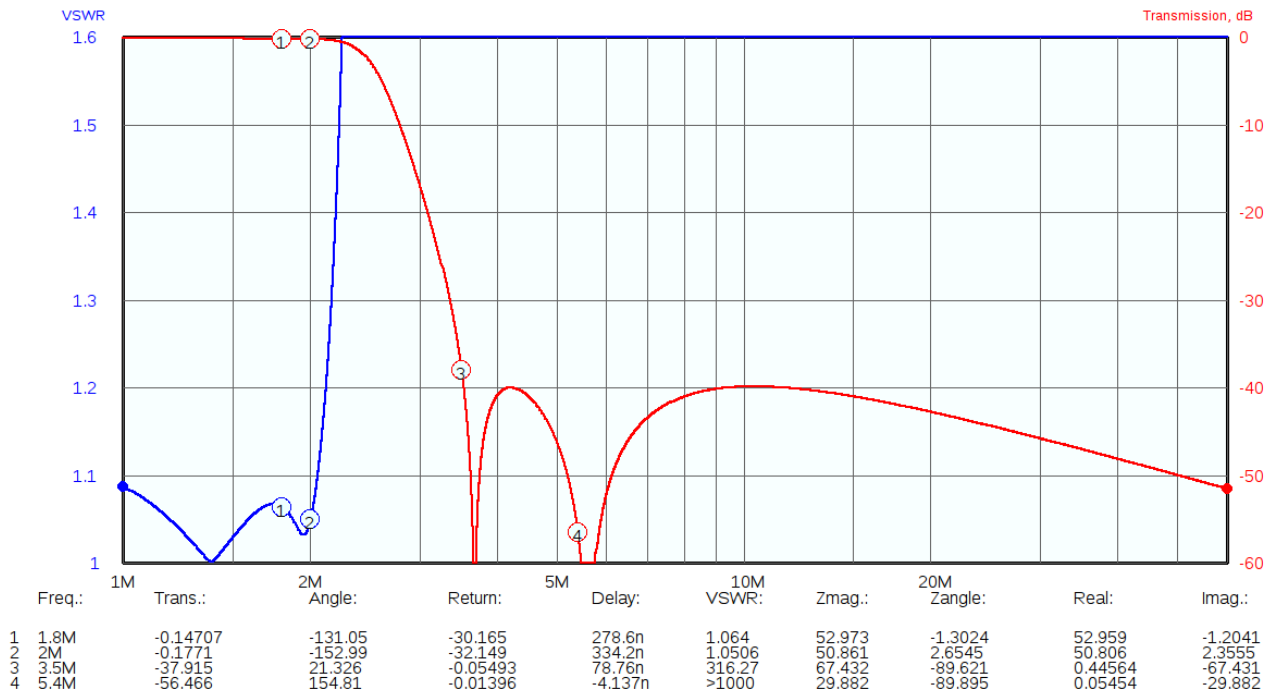


The following are a set of plots for suitable Hi pass filters for Hermes lite. All filters with the exception of the 30 Mhz roofing filter are 5 pole Cauer and designed with a maximum of 2 E12 caps in parallel but in most cases will be a single cap.

160 Metre Plot and schematic follow



Design data:  
Bandwidth: 2.04M  
Family: Manual entry

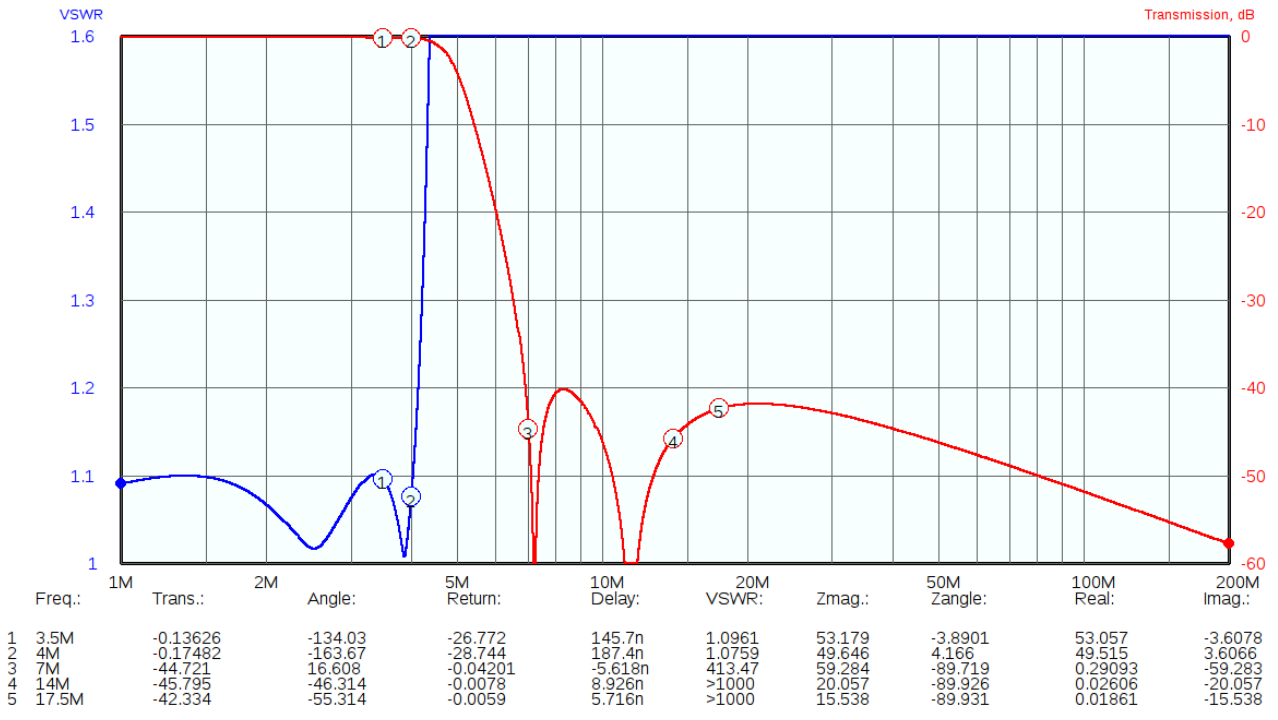
Q values:  
Inductors: 120  
Capacitors: 1000

Maximum / minimum ratios:  
Capacitors: 11.667  
Inductors: 1.3204

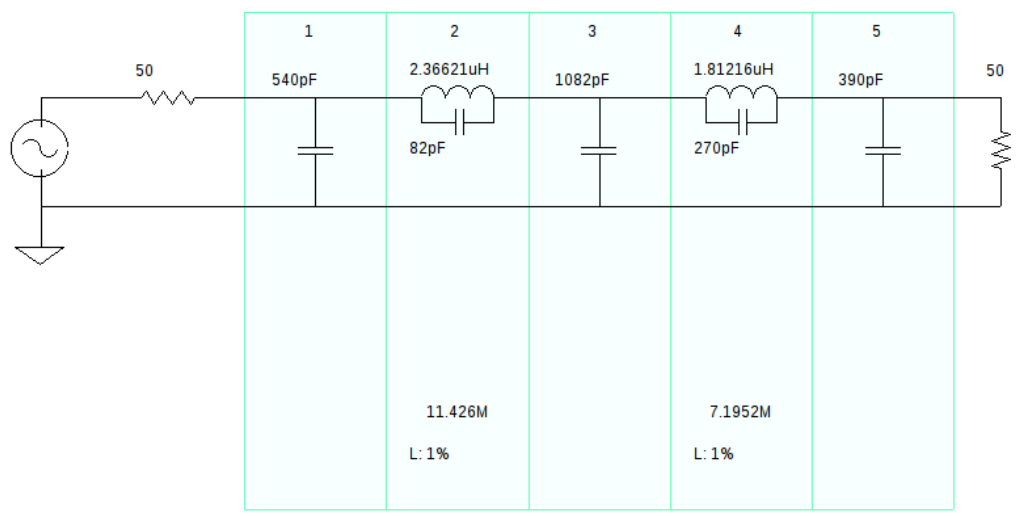
Unbalanced preview

- Normal - unbalanced
- Balanced - A
- Balanced - B

# 80 Metre Plot and schematic follow



Freq.:	1M	2M	5M	10M	20M	50M	100M	200M
1 3.5M	-0.13626	-134.03	-26.772	145.7n	1.0961	53.179	-3.8901	53.057
2 4M	-0.17482	-163.67	-28.744	187.4n	1.0759	49.646	4.166	49.515
3 7M	-44.721	16.608	-0.04201	-5.618n	413.47	59.284	-89.719	0.29093
4 14M	-45.795	-46.314	-0.0078	8.926n	>1000	20.057	-89.926	0.02606
5 17.5M	-42.334	-55.314	-0.0059	5.716n	>1000	15.538	-89.931	0.01861



Design data:  
 Bandwidth: 4M  
 Family: Manual entry

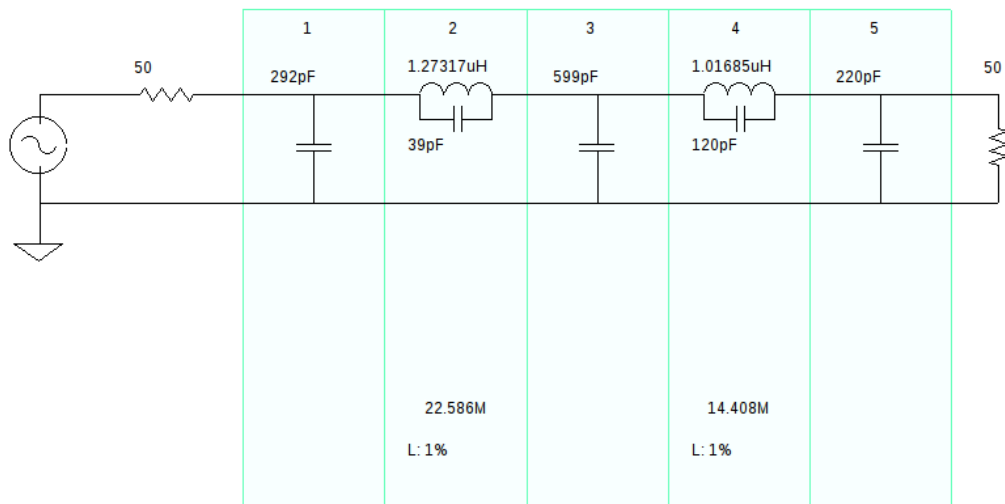
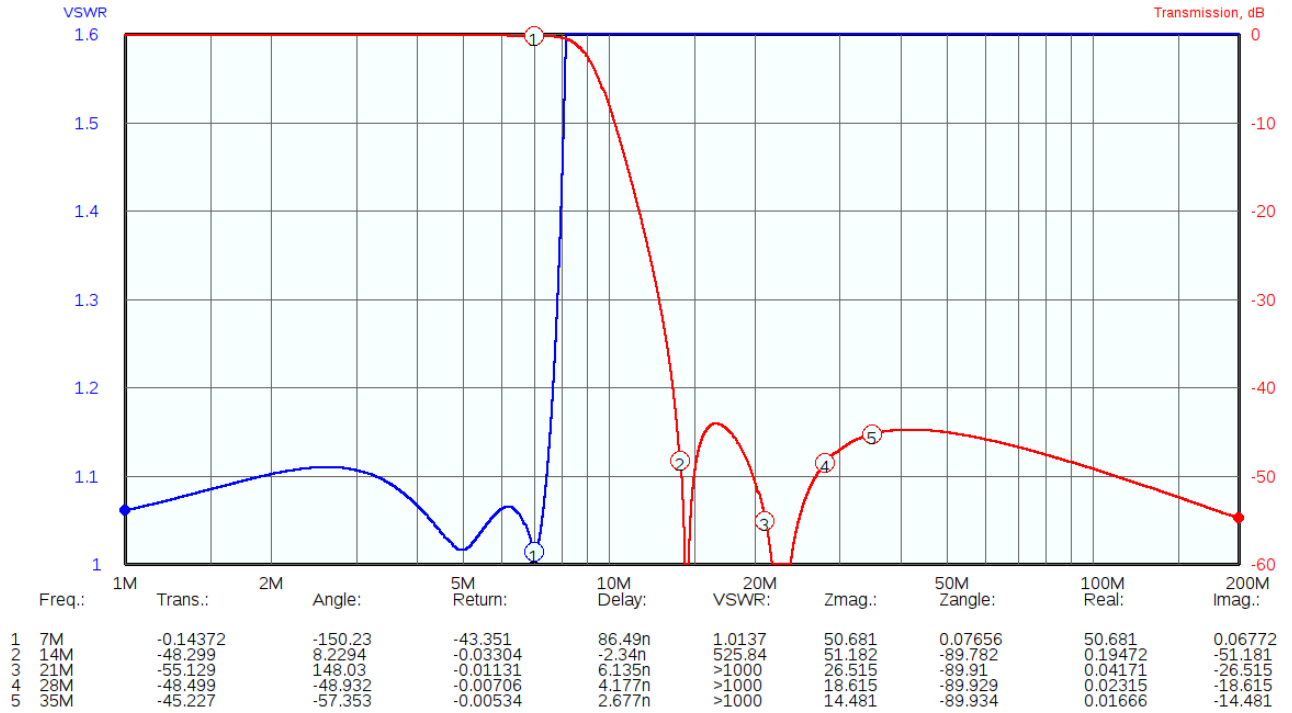
Q values:  
 Inductors: 140  
 Capacitors: 1000

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

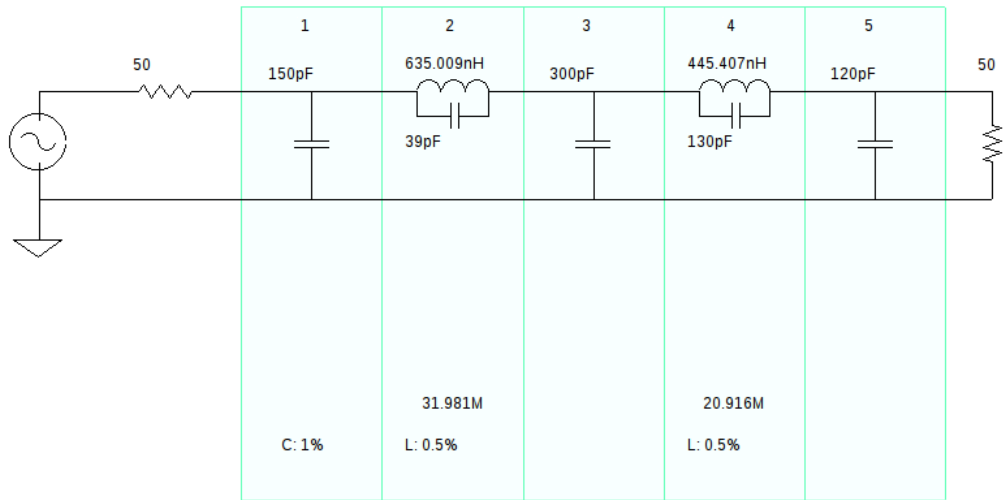
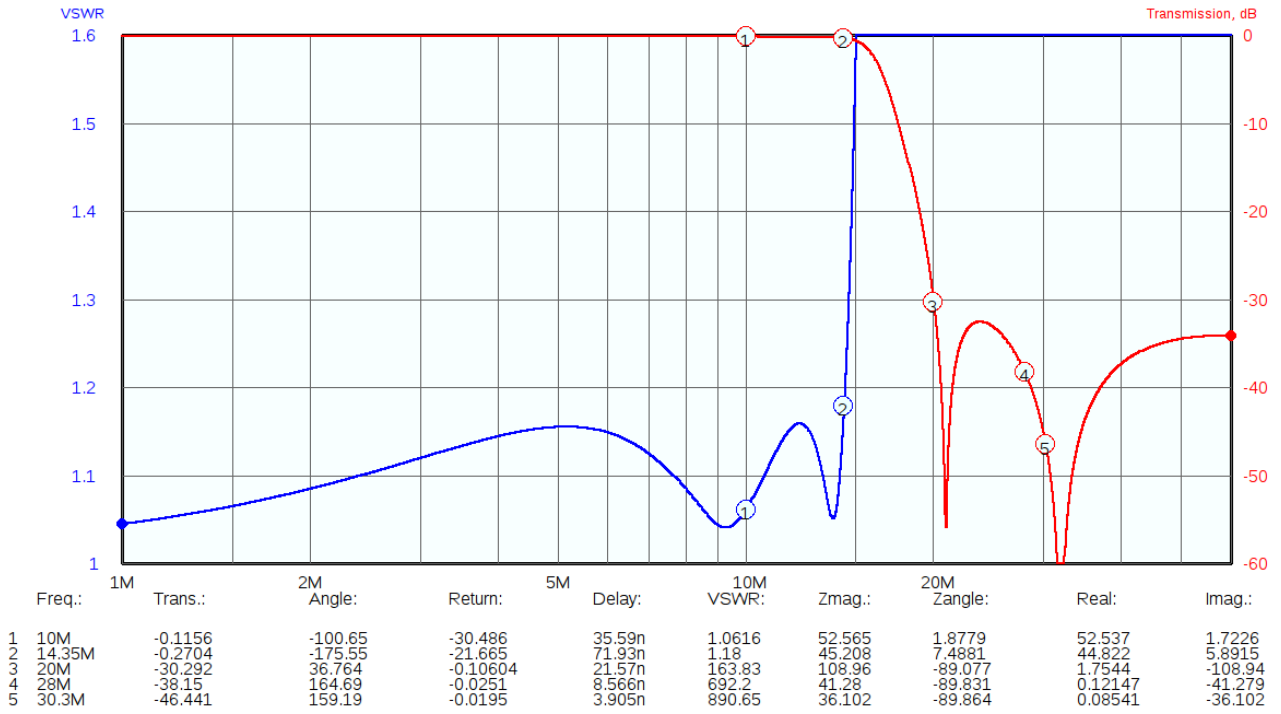
Q values:  
 Inductors: 140  
 Capacitors: 1000

Maximum / minimum ratios:  
 Capacitors: 15.359  
 Inductors: 1.2521

Unbalanced preview

- Normal - unbalanced
- Balanced - A
- Balanced - B

### 30-20 Metre Plot and schematic follow



Design data:  
 Bandwidth: 14.5M  
 Family: Manual entry

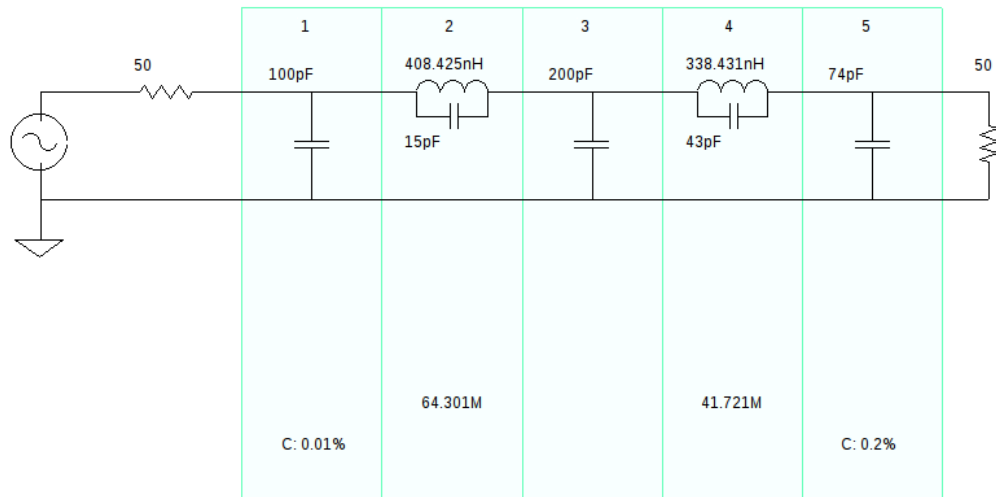
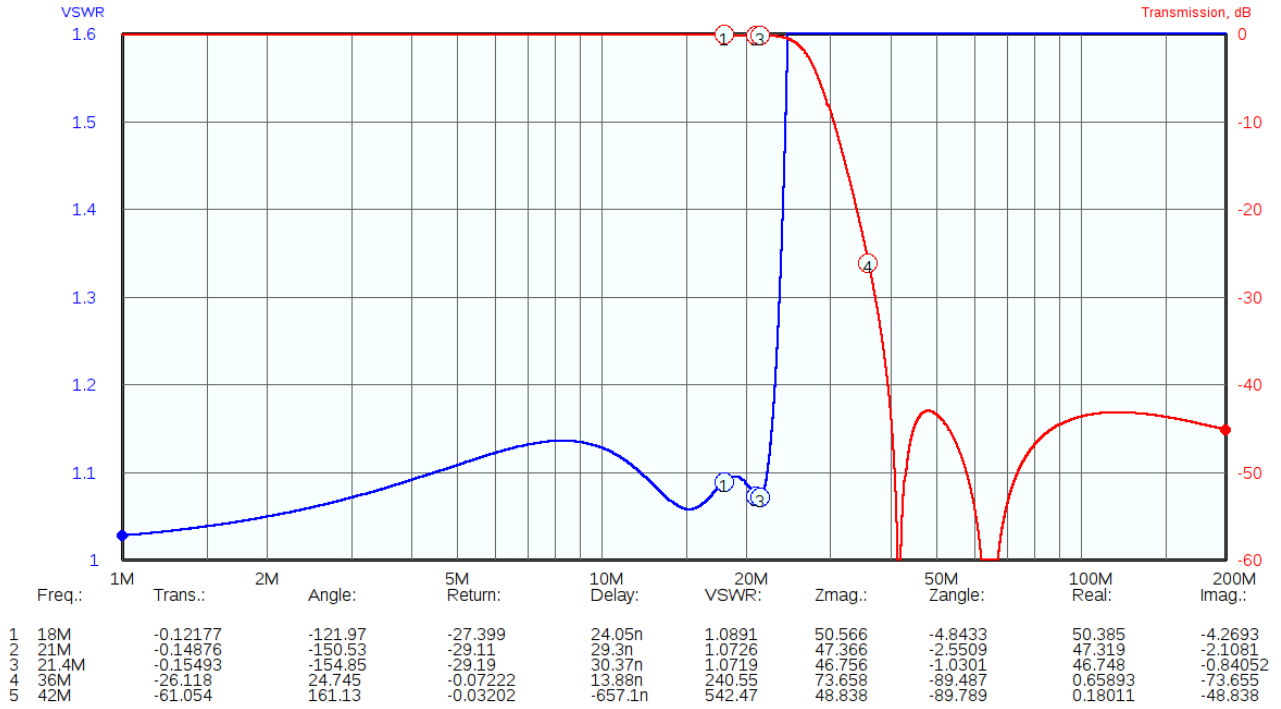
Q values:  
 Inductors: 140  
 Capacitors: 1000

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

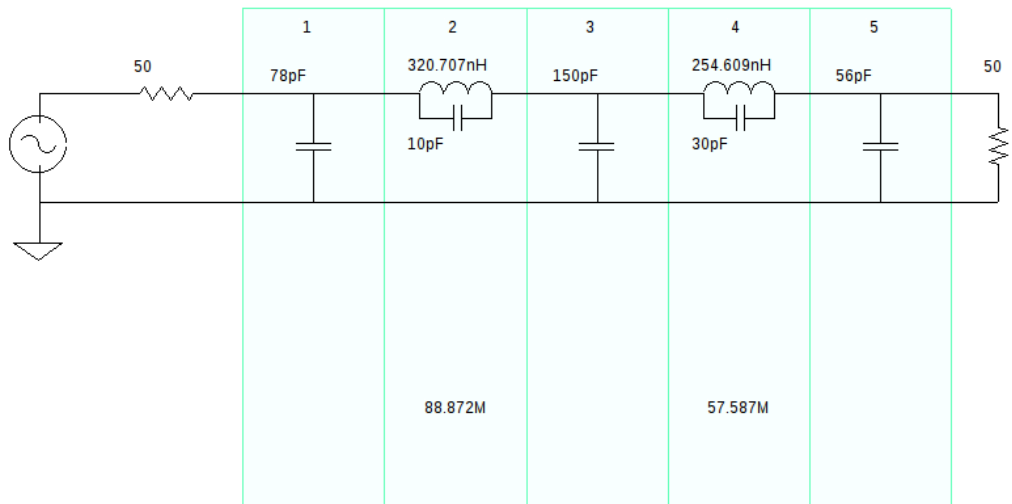
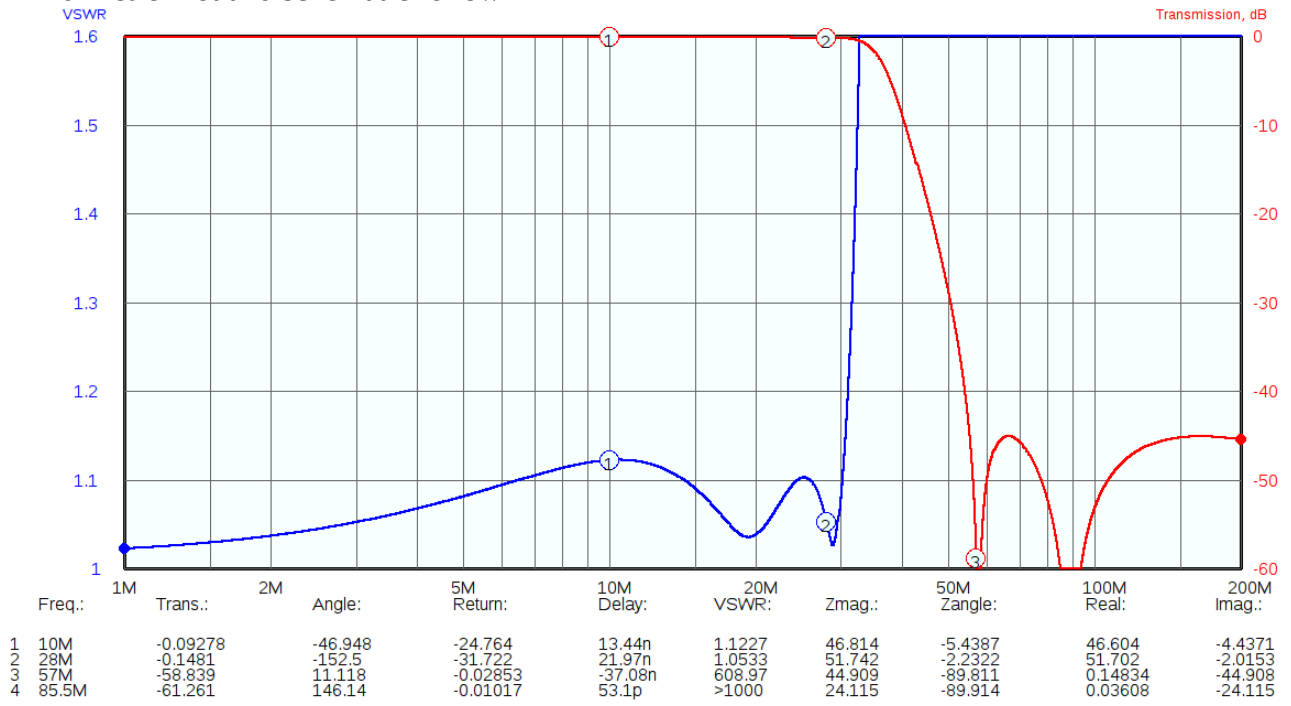
Q values:  
 Inductors: 140  
 Capacitors: 1000

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

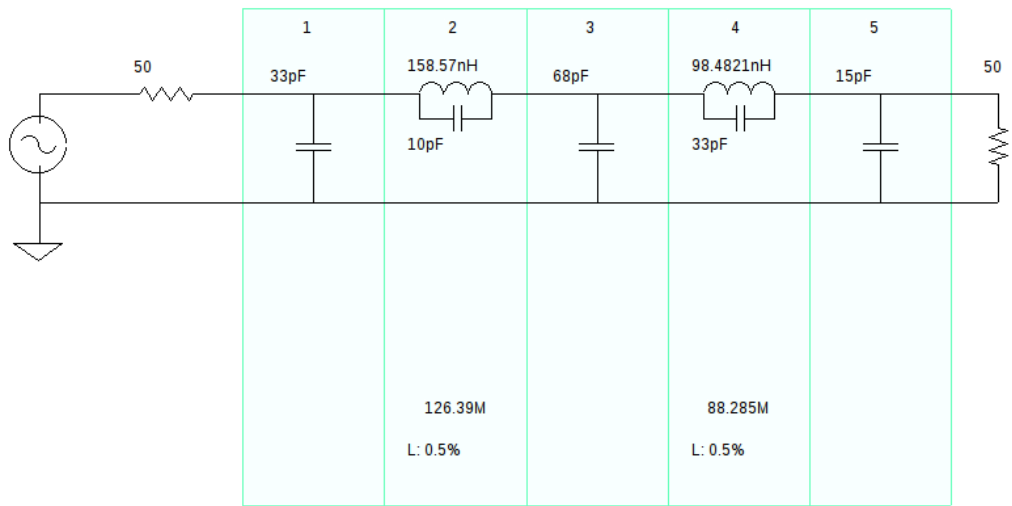
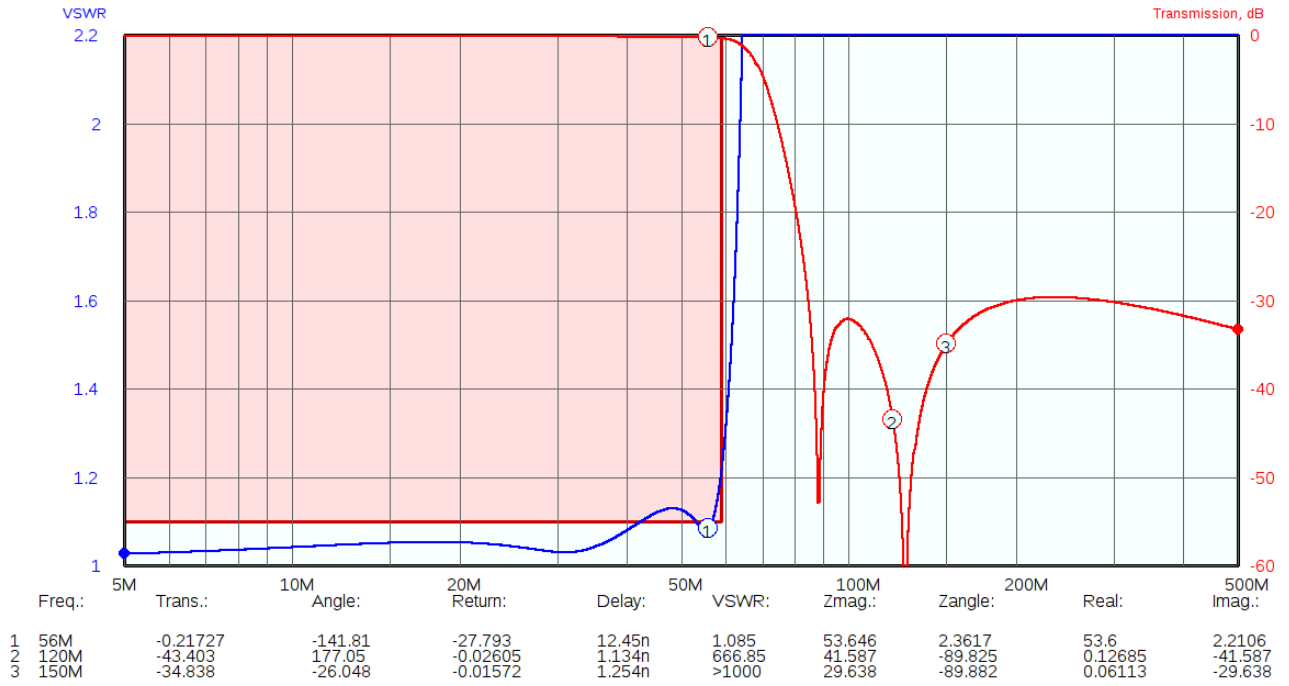
Q values:  
 Inductors: 140  
 Capacitors: 1000

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

