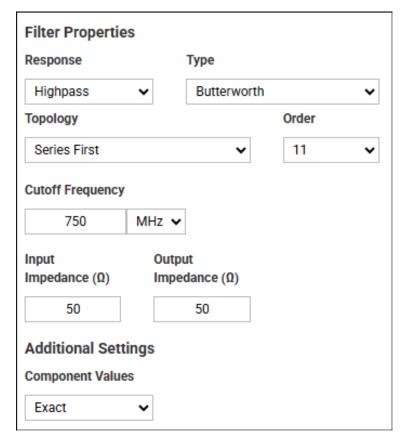
Type



Butterworth

Butterworth 11次

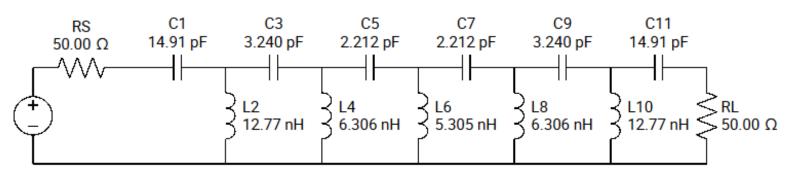


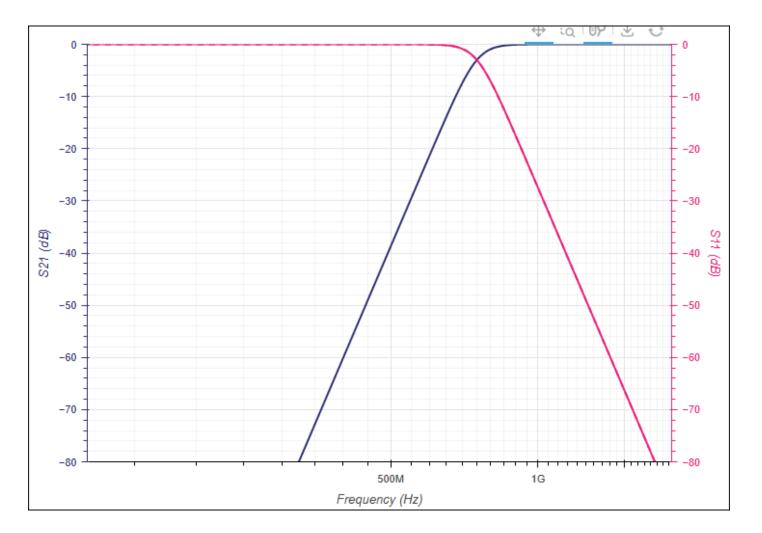
減衰傾度	66.2
401.34	-59.74
200.64	-125.98
Freq[MHz]	S21

dB/oct

1fの減衰量

Freq[MHz]	S21
440.86	-50.77



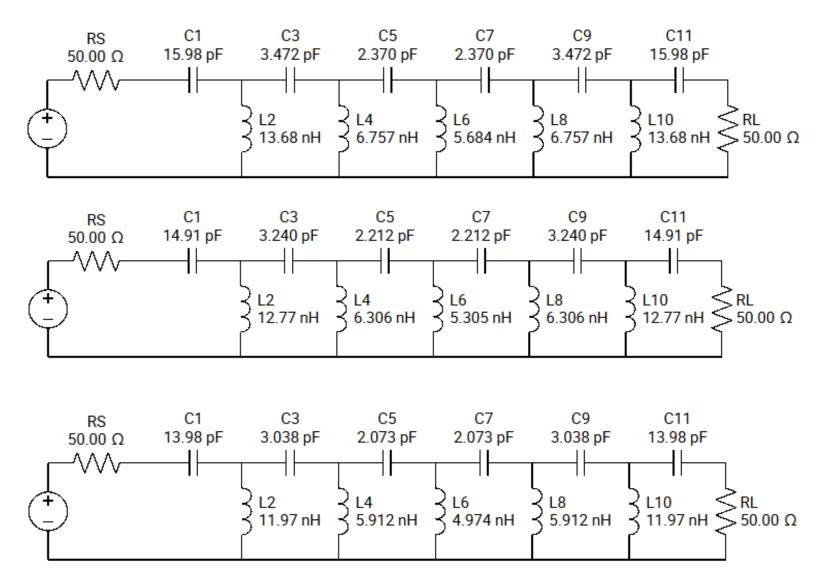


Butterworth 11次 fcを振ってみる

fc = 700 MHz

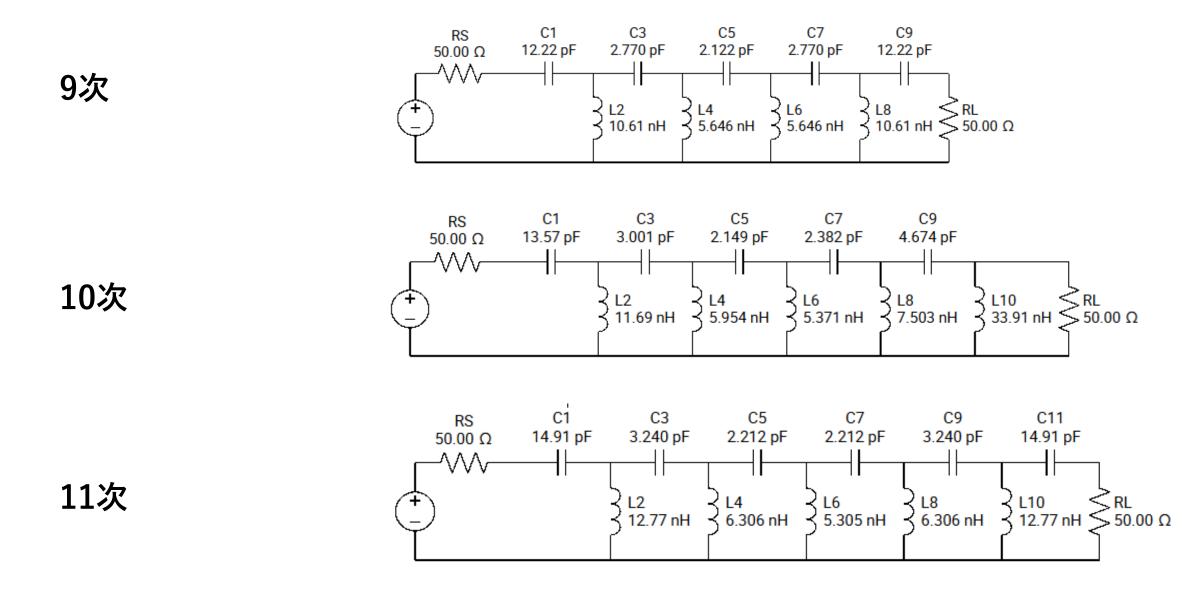
fc = 750MHz

fc = 800MHz



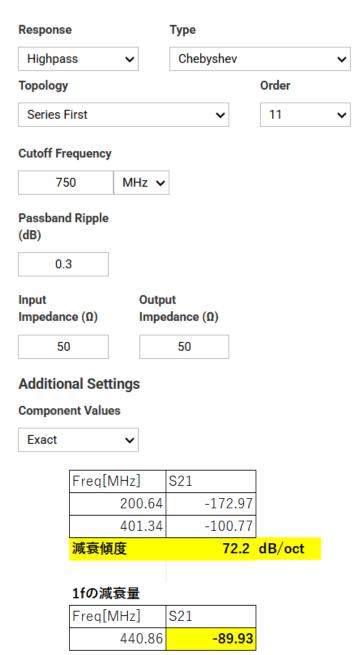
Cが小さくなりすぎる

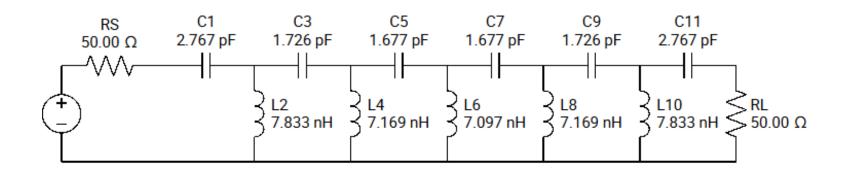
Butterworth 次数を振ってみる @ fc 750MHz

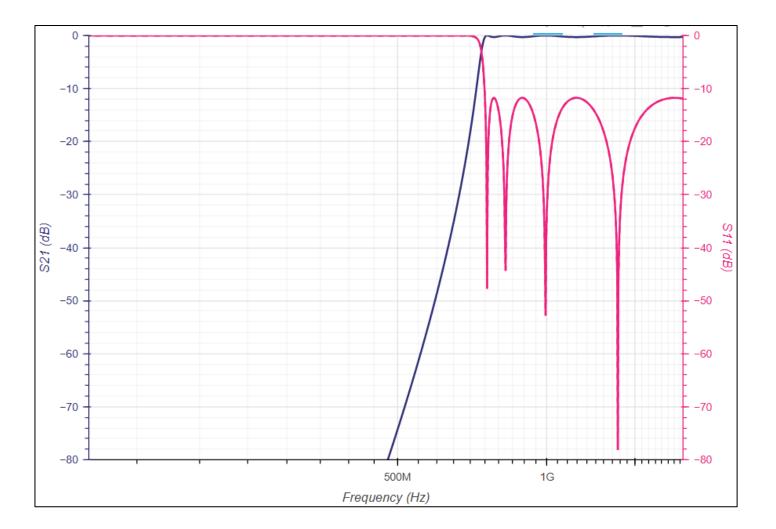


Chebyshev

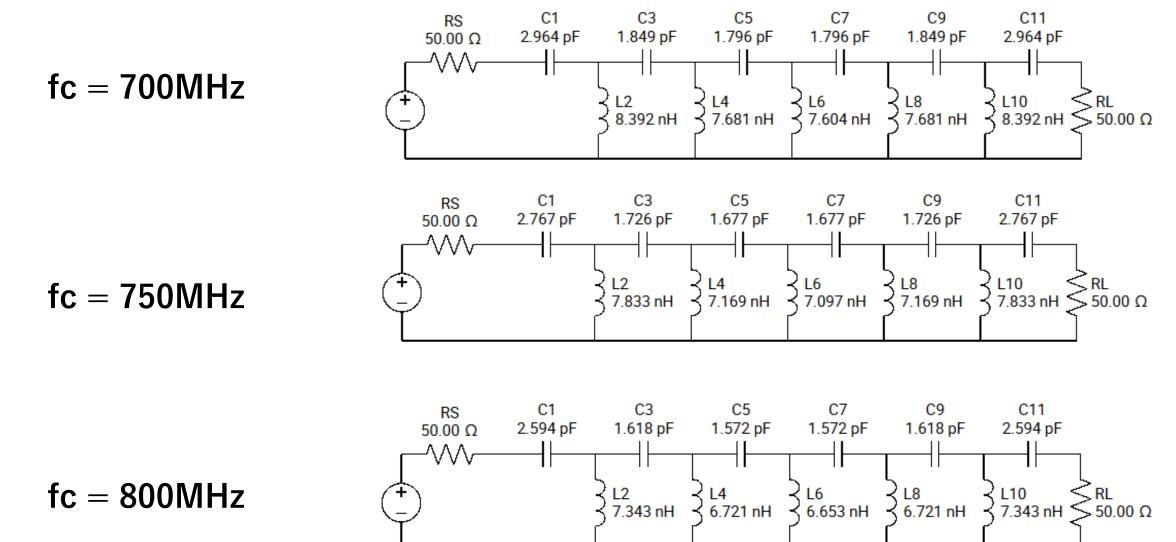
Chebyshev 11次







Chevbyshev 11次 fcを振ってみる @ Ripple 0.3dB



Chevbyshev 11次 Rippleを振ってみる @ fc = 750MHz

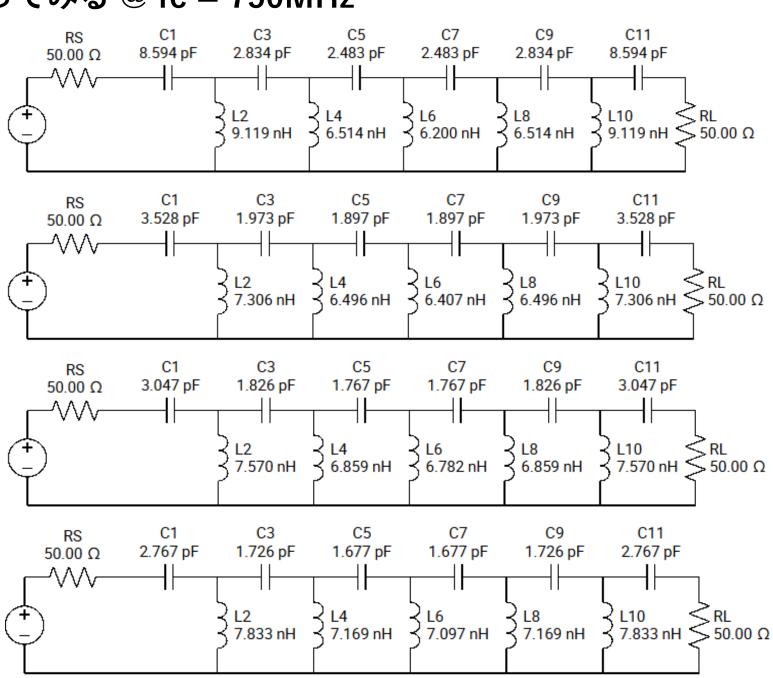
Ripple: 0.0001dB

Ripple: 0.1dB

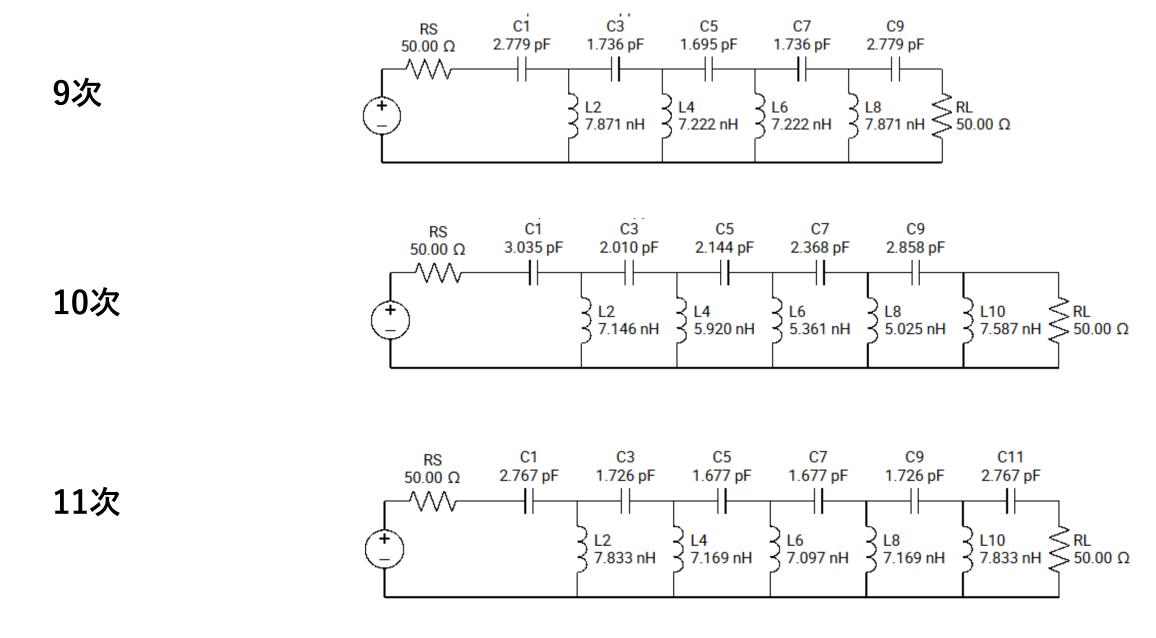
Ripple: 0.2dB

Ripple: 0.3dB

Ripple 0dBに近づけると、 Butterworthの定数に近づく

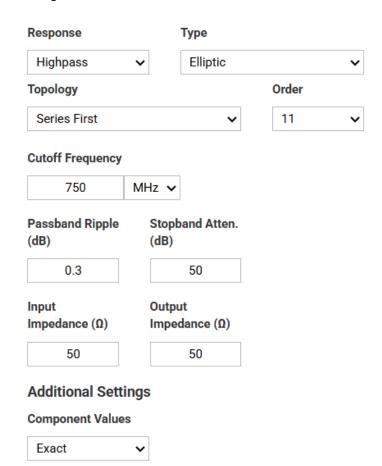


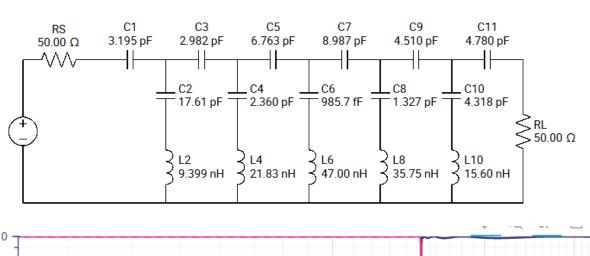
Chevbyshev 次数を振ってみる @ fc = 750MHz、Ripple 0.3dB

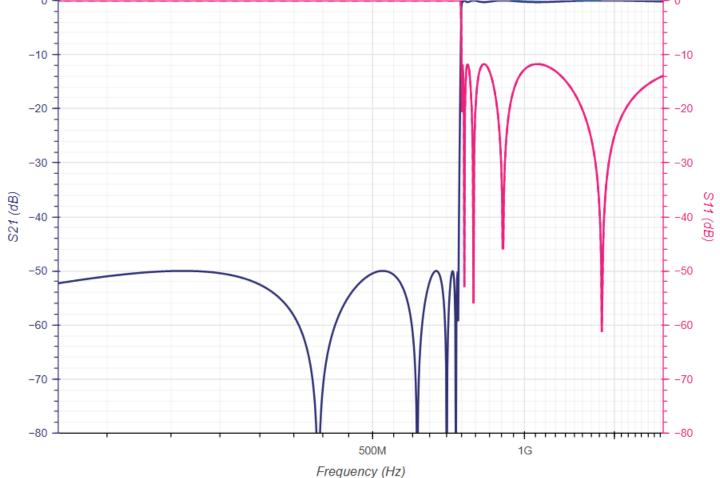


Elliptic

Elliptic 11次





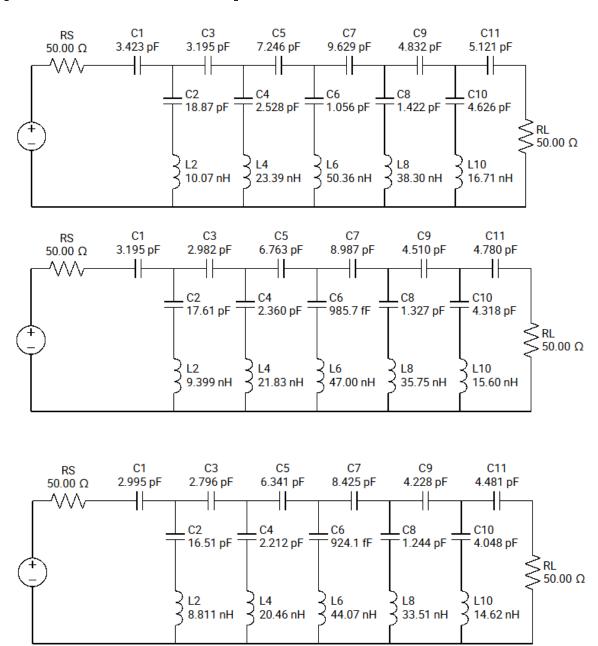


Elliptic 11次 fcを振ってみる @ Ripple 0.3dB、Stop Band Att 50dB

fc = 700MHz

fc = 750MHz

fc = 800MHz

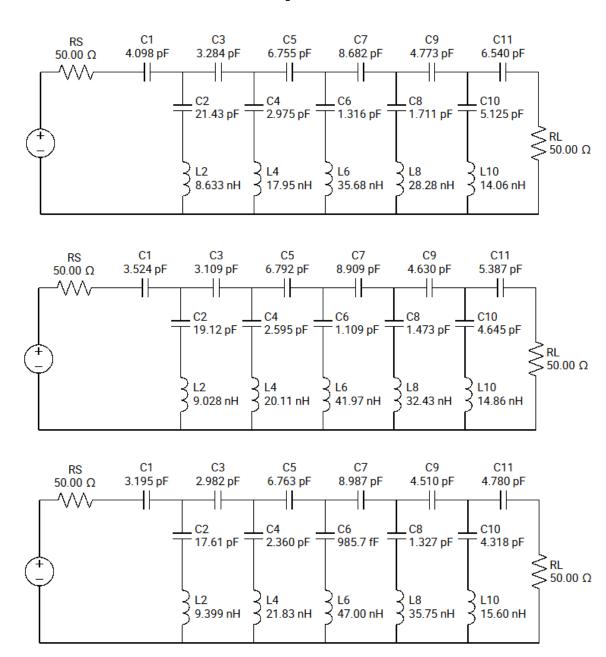


Elliptic 11次 Rippleを振ってみる @ fc 750MHz、Stop Band Att 50dB

Ripple 0.1dB

Ripple 0.2dB

Ripple 0.3dB

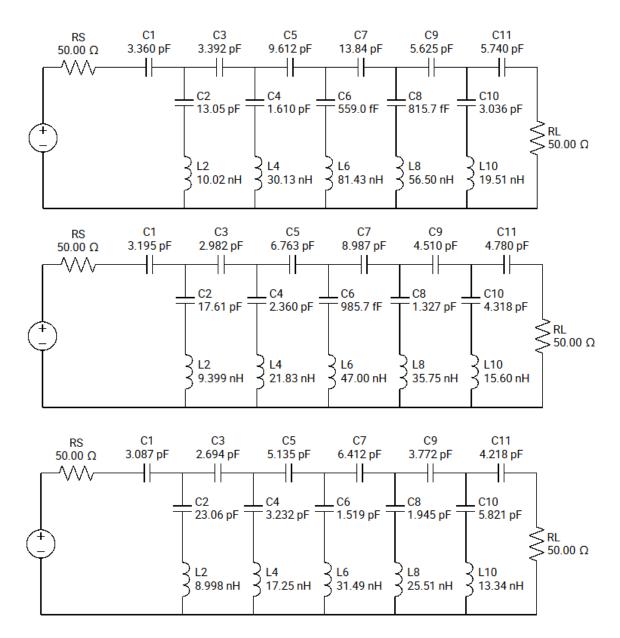


Elliptic 11次 Stop Band ATTを振ってみる @ fc 750MHz、Ripple 0.3dB

Stop Band ATT 40dB

Stop Band ATT 50dB

Stop Band ATT 60dB

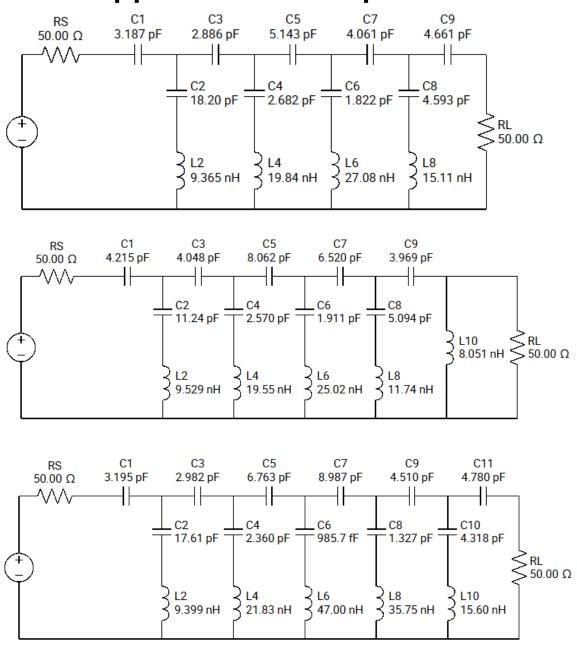


Elliptic 次数を振ってみる @ fc 750MHz、Ripple 0.3dB、Stop Band ATT 50dB

9次

10次

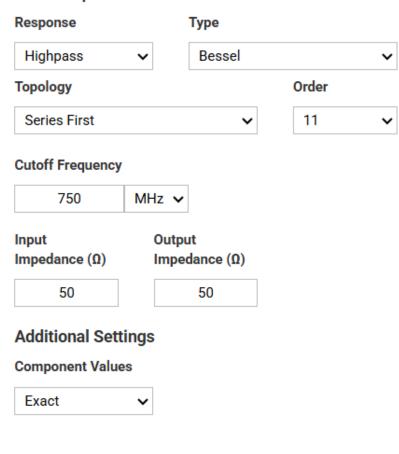
11次



Bessel

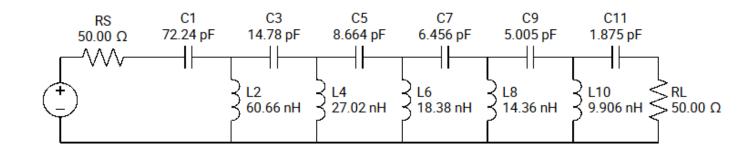
Bessel 11次

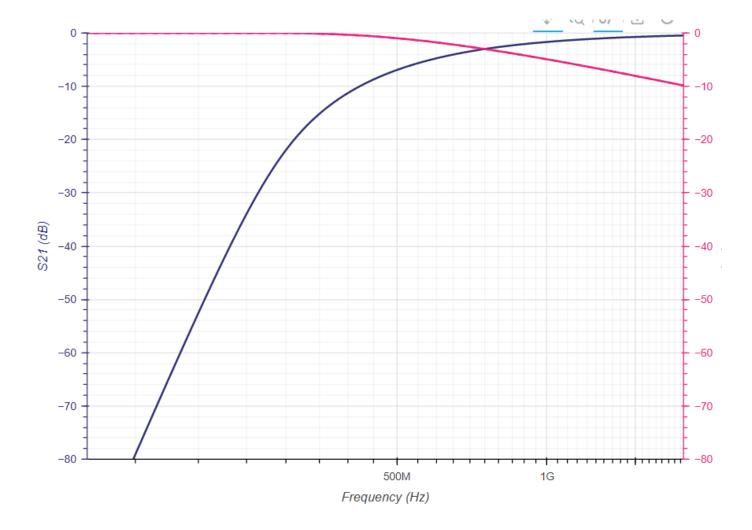
Filter Properties



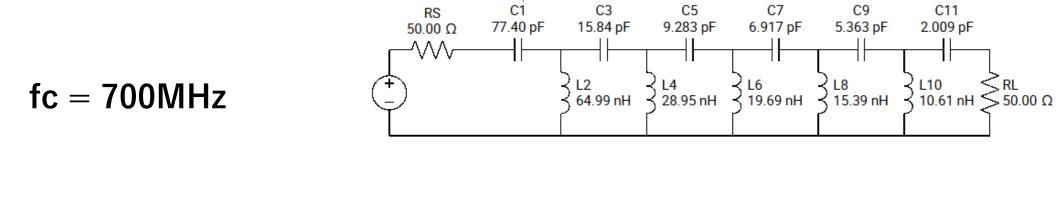
1fの減衰量

Freq[MHz]	S21
440.86	-9.09

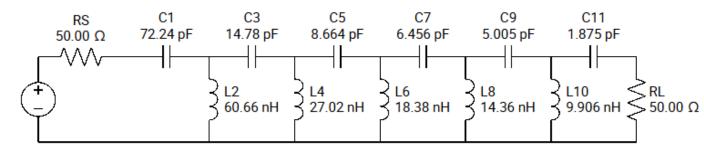




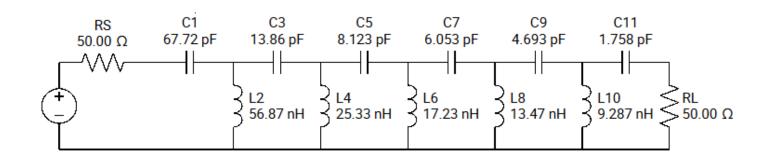
Bessel 11次 fcを振ってみる



fc = 750MHz



fc = 800MHz

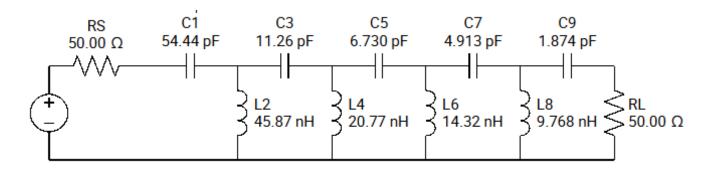


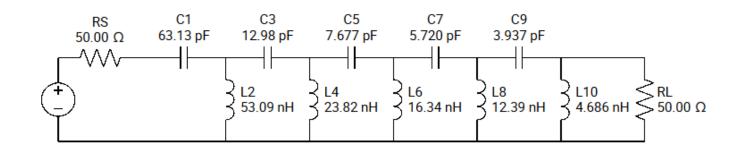
Bessel 次数を振ってみる @ fc 750MHz

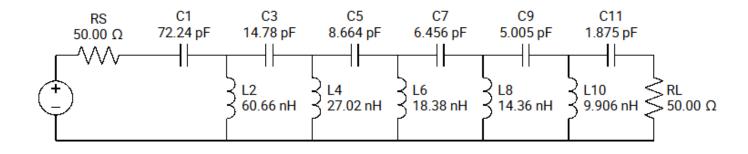
9次

11次

10次

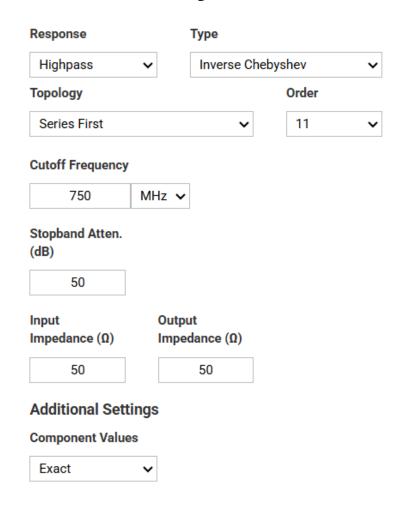


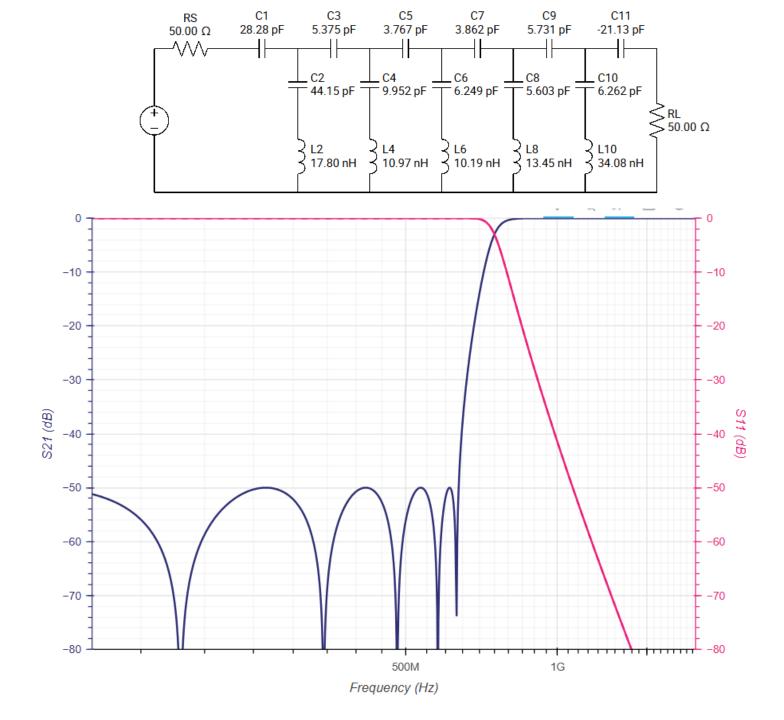




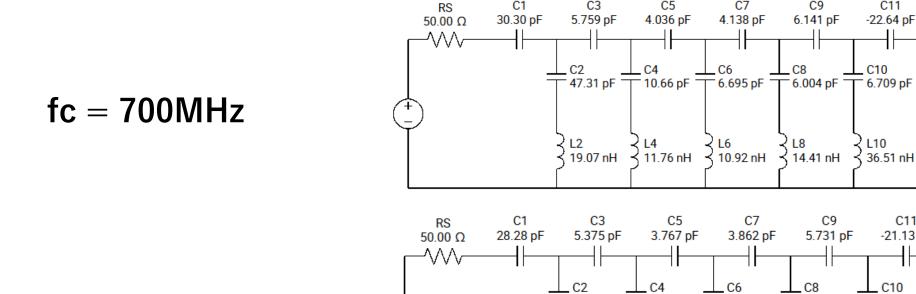
Inverse Chebyshev

Inverse Chebyshev 11次



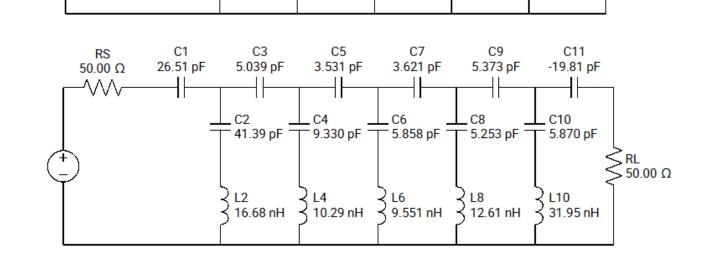


Inverse Chebyshev 11次 fcを振ってみる @ Stop Band Att 50dB



fc = 750MHz

fc = 800MHz



9.952 pF

10.97 nH

17.80 nH

C11

-22.64 pF

≶RL ≶50.00 Ω

RL 50.00 Ω

⊥_ C10

L10

≺ 36.51 nH

____ C10

C11

-21.13 pF

6.262 pF

L10

34.08 nH

6.141 pF

_C8

≺ 14.41 nH

.C8

6.249 pF

10.19 nH

C9

5.731 pF

5.603 pF

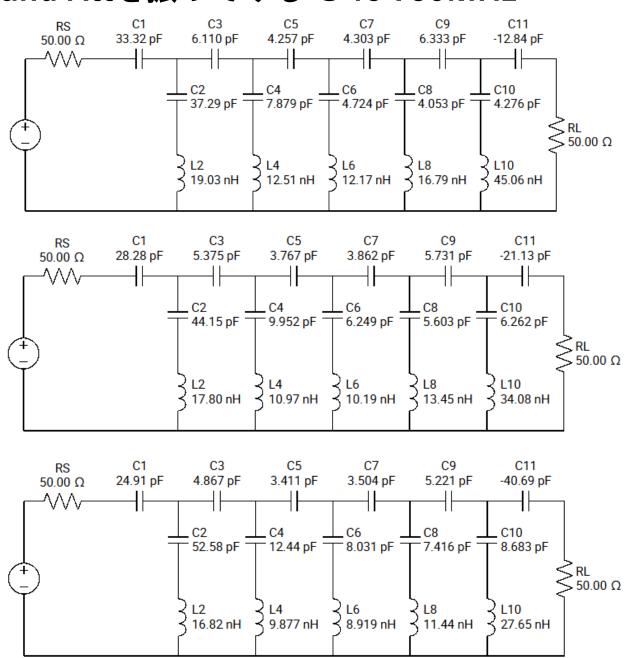
13.45 nH

Inverse Chebyshev 11次 Stop Band Attを振ってみる @ fc 750MHz

Stop Band ATT 40dB

Stop Band ATT 50dB

Stop Band ATT 60dB

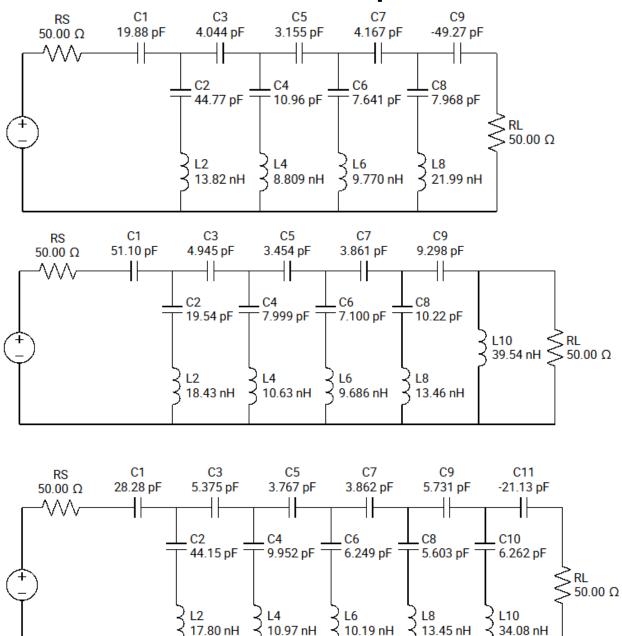


Inverse Chebyshev 次数 を振ってみる @ fc 750MHz、Stop Band Att 50dB

9次

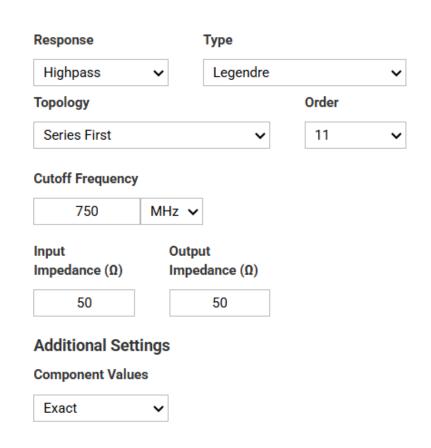
10次

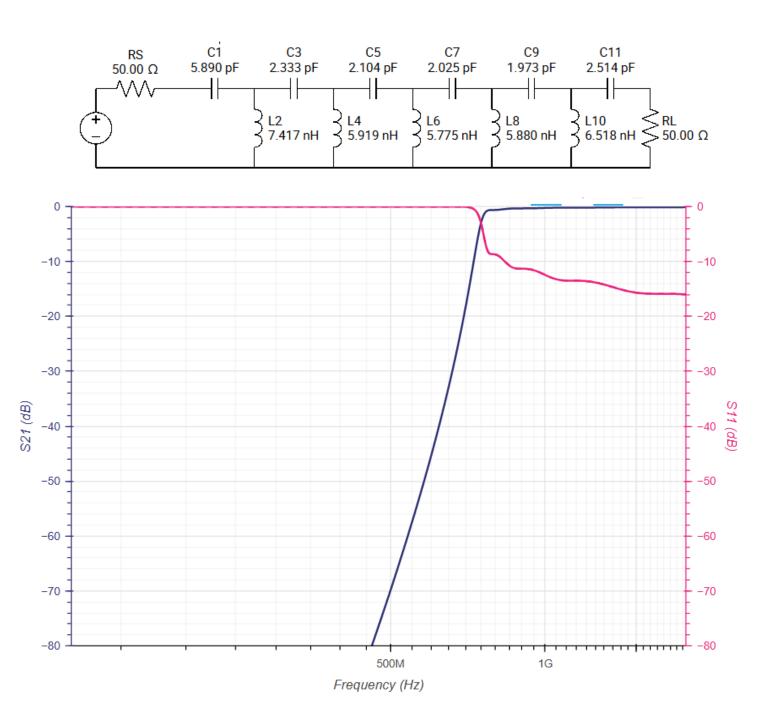
11次



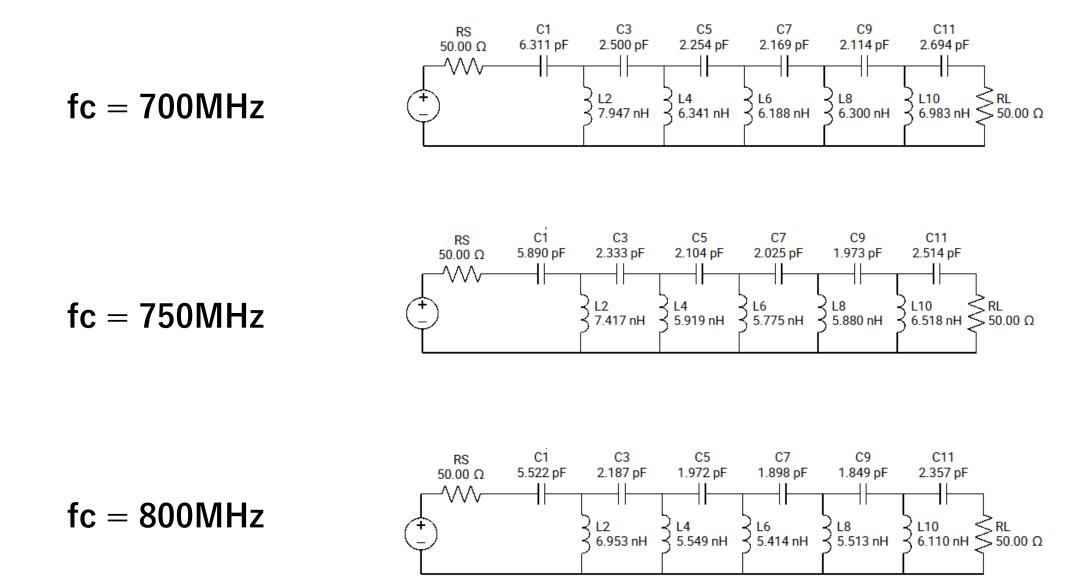
Legendre

Legendre 11次





Legendre 11次 fcを振ってみる @ Stop Band Att 50dB



Legendre 次数を振ってみる @ fs 750MHz、Stop Band Att 50dB

