

Example with a very simply coupling matrix

3 Resonators

No Tx zeros at finite frequencies

22 dB Return Loss

$f_1 = 550$ MHz

$f_2 = 560$ MHz

Coupling matrix (N+2)

$$M = \begin{bmatrix} 0 & -1.1376 & 0 & 0 & 0 \\ -1.1376 & 0 & -1.1010 & 0 & 0 \\ 0 & -1.1010 & 0 & -1.1010 & 0 \\ 0 & 0 & -1.1010 & 0 & 1.1376 \\ 0 & 0 & 0 & 1.1376 & 0 \end{bmatrix}$$

Converted to a LC-network

