

Derived Transfer Functions

Transfer Function 1

$$H(s) = \frac{Z_1 Z_2 Z_4 Z L (-Z_3 Z_5 + Z_3 a_{12} - Z_5 a_{12})}{-Z_1 Z_2 Z_3 Z_4 Z_5 Z L Z s a_{21} - Z_1 Z_2 Z_3 Z_4 Z_5 Z L a_{11} - Z_1 Z_2 Z_3 Z_4 Z_5 Z s a_{22} + Z_1 Z_2 Z_3 Z_4 Z_5 a_{12} + Z_1 Z_2 Z_3 Z_4 Z L Z s a_{11} a_{22} - Z_1 Z_2 Z_3 Z_4 Z L Z s a_{11} + Z_1 Z_2 Z_3 Z_4 Z L Z s a_{12} a_{21} - Z_1 Z_2 Z_3 Z_4 Z L Z s a_{22} + Z_1 Z_2 Z_3 Z_4 Z L Z s + Z_1 Z_2 Z_3 Z_4 Z L a_{12} + Z_1 Z_2 Z_3 Z_4 Z s a_{12} - 2 Z_1 Z_2 Z_3 Z_5 Z L Z s a_{22} + 2 Z_1 Z_2 Z_3 Z_5 Z L a_{12} + 2 Z_1 Z_2 Z_3 Z L Z s a_{12} - Z_1 Z_2 Z_4 Z_5 Z L Z s a_{11} a_{22} - Z_1 Z_2 Z_4 Z_5 Z L Z s a_{11} - Z_1 Z_2 Z_4 Z_5 Z L Z s a_{12} a_{21} - Z_1 Z_2 Z_4 Z_5 Z L Z s a_{22} - Z_1 Z_2 Z_4 Z_5 Z L Z s + Z_1 Z_2 Z_4 Z_5 Z L a_{12} + Z_1 Z_2 Z_4 Z_5 Z s a_{12} + 4 Z_1 Z_2 Z_4 Z L Z s a_{12} + 2 Z_1 Z_2 Z_5 Z L Z s a_{12} - Z_1 Z_3 Z_4 Z_5 Z L Z s a_{21}}$$