

1. General

The filter is single ended driven. It is matched to 50 Ω

The matching element values given below are valid theoretically. The matching elements have to be optimised regarding the circuit and PCB design and existing parasitics.

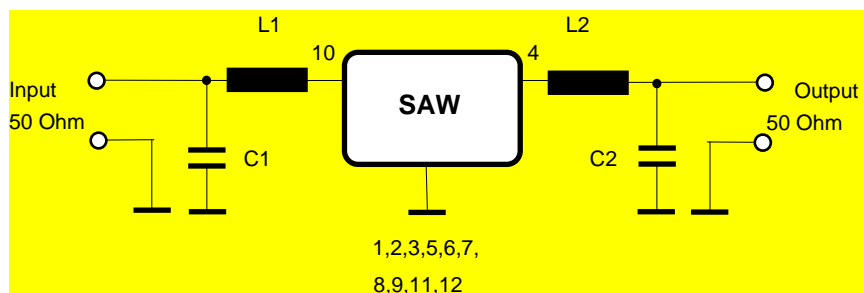
2. Theoretical matching

The balanced driven source and load impedances of the filter are:

Source: $220 \Omega \parallel -14.3 \text{ pF}$

Load: $225 \Omega \parallel -13.5 \text{ pF}$

The values of the matching elements which are given below are calculated from the source and load impedance. If the values of the matching elements are not equal to standard values the best standard values are given in brackets.



L1 = 47 nH
C1 = 27 pF

L2 = 49 nH (47 nH)
C2 = 27 pF