

1. General

The filter is designed single ended use at the input and at the output.

The terminating impedances are

input: $740 \Omega \parallel -7.9\text{pF}$ single ended

output: $880 \Omega \parallel -6.2\text{pF}$ single ended

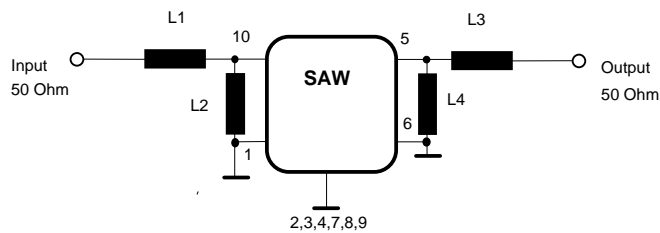
The matching element values given below are calculated from the terminating impedances. If the values of the matching elements are not equal to standard values the best standard values are given in brackets. Because these are theoretical values they have to be modified on PCB's corresponding to the existing parasitics.

2. Theoretical matching to 50 Ω

The theoretical values of the stated elements are:

L1 = 150 nH L3 = 165 nH (180 nH)

L2 = 164 nH (150 nH) L4 = 250 nH (220 nH)



3. Matching on the PCB

L1= 150nH L3=180nH

L2= 100nH L4=100nH