

1. General

The filter is matched to 50 Ω single ended at input and output.

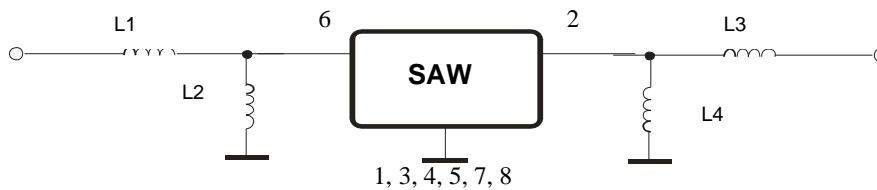
2. Theoretical matching

The matching element values given below are valid theoretically. The values of the matching elements are calculated from the input and output terminating impedance.

The termination impedances of the filter are:

input impedance: 80 Ω || 4 pF

output impedance: 80 Ω || 4 pF

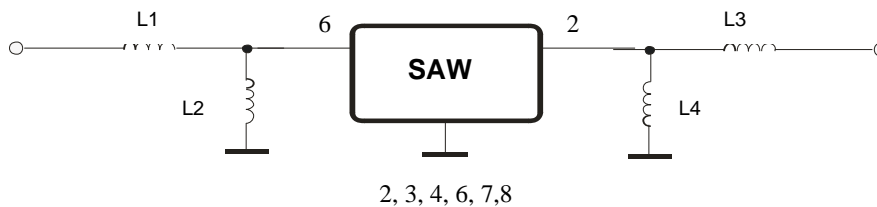


L1 = 3,0 nH
L2 = - 2,0 nH

L3 = 3,0 nH
L4 = - 2,0 nH

3. Matching on PCB (tfs3x3b): 1575 MHz

50 Ω test circuit:



L1 = 6,8 nH
L2 = 5,6 nH

L3 = 6,8 nH
L4 = 5,6 nH

If the parasitics on the customer board (mentioned parasitics, additional parasitics of active parts) are different to this PCB the matching elements have to be slightly adjusted.

In case of questions please contact us to

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