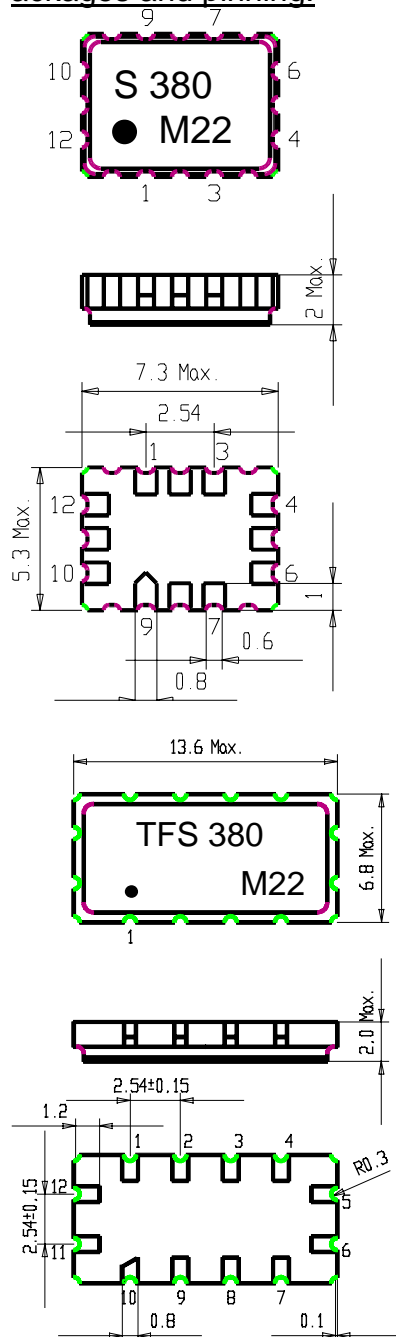


## 1. General

The filter is designed for single ended use at the input and at the output. It is matched to 50 Ω.

### ackages and pinning:



1	Ground
2	Ground
3	Output RF Return
4	Output
5	Ground
6	Ground
7	Ground
8	Ground
9	Input RF Return
10	Input
11	Ground
12	Ground

1	Ground
2	Ground
3	Ground
4	Ground
5	Output
6	Output RF Return
7	Ground
8	Ground
9	Ground
10	Ground
11	Input
12	Input RF Return

### VI TELEFILTER

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The terminating impedances are

7x5mm package

Input : 1,3 k $\Omega$  || -3,5 pF

Output: 1,3 k $\Omega$  || -3,7 pF

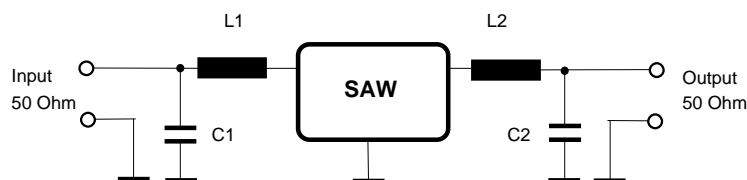
13x6mm package

Input : 1,3 k $\Omega$  || -3,9 pF

Output: 1,1 k $\Omega$  || -3,9 pF

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 $\Omega$ single ended



The theoretical values of the stated elements are:

7x5mm package

L1 = 58 nH (56nH)

L2 = 55 nH (56nH)

C1 = 16 pF (15pF)

C2 = 17 pF (18pF)

13x6mm package

L1 = 52 nH (56nH)

L2 = 53 nH (56nH)

C1 = 18 pF

C2 = 17 pF (18pF)

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