

## K&L 1920 MHz Lowpassfilter

Matthias, DD1US, July 18<sup>th</sup> 2017

Hello,

Visiting the Ham Radio Fair in Friedrichshafen I got hold of a Filter from K&L.  
The type is K&L 13IL10-1920/X2200-N/N.

Here is how it looks like:



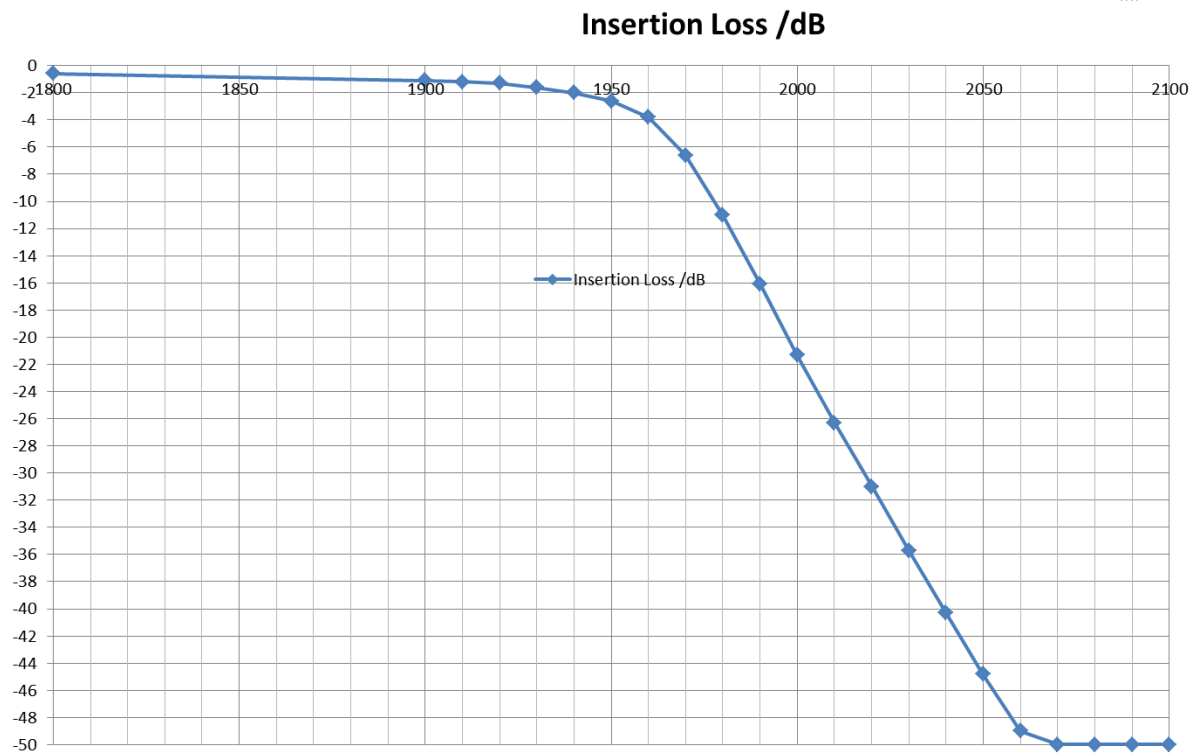
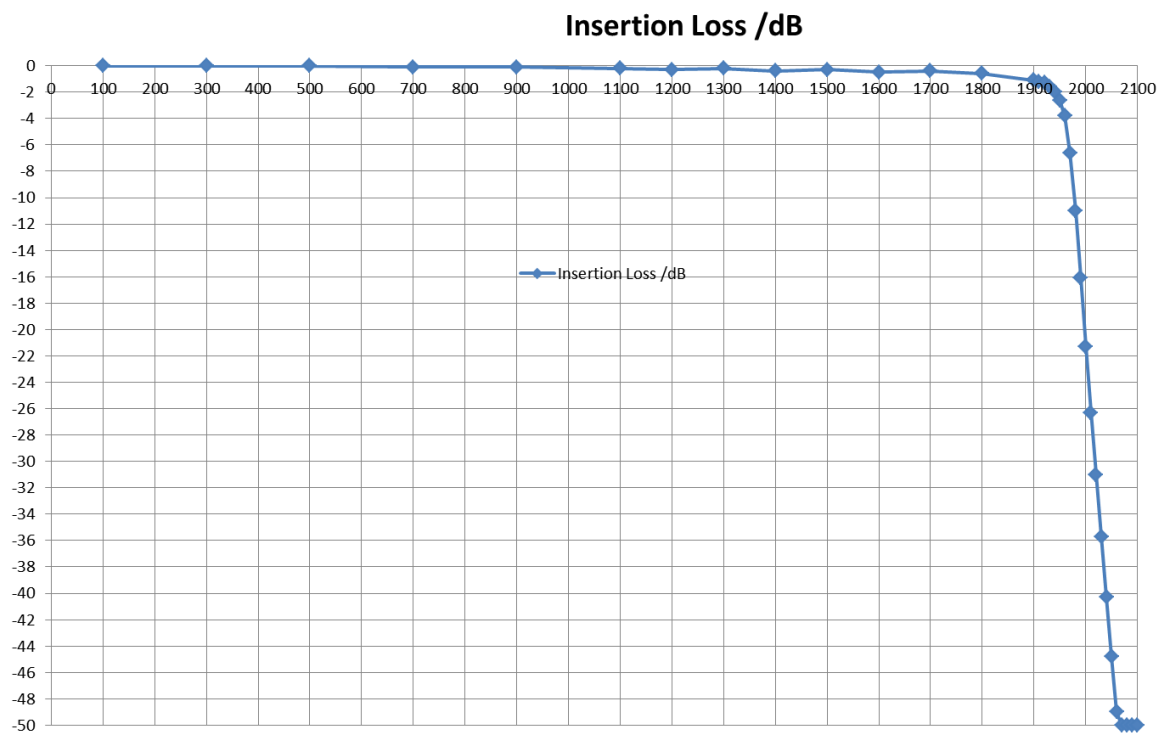
According to the nomenclature of K&L that means:

13 sections, lumped components low pass filter, 1dB cutoff frequency 1920 MHz, N connectors.

I measured the filter using a signal generator and power meter. The setup is limited to measure a maximum insertion loss of 50dB. Here is a table of the measured data:

Frequency /MHz	Insertion Loss /dB
100	0,0
300	0,0
500	0,0
700	0,1
900	0,1
1100	0,2
1200	0,3
1300	0,2
1400	0,4
1500	0,3
1600	0,5
1700	0,4
1800	0,6
1900	1,1
1910	1,2
1920	1,3
1930	1,6
1940	2,0
1950	2,6
1960	3,8
1970	6,6
1980	11,0
1990	16,1
2000	21,3
2010	26,3
2020	31,0
2030	35,7
2040	40,3
2050	44,8
2060	49,0
2070	50
2080	50
2090	50
2100	50

Finally here is the transfer characteristic as a plot:



I always appreciate feedback. Many thanks in advance.

Best regards

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