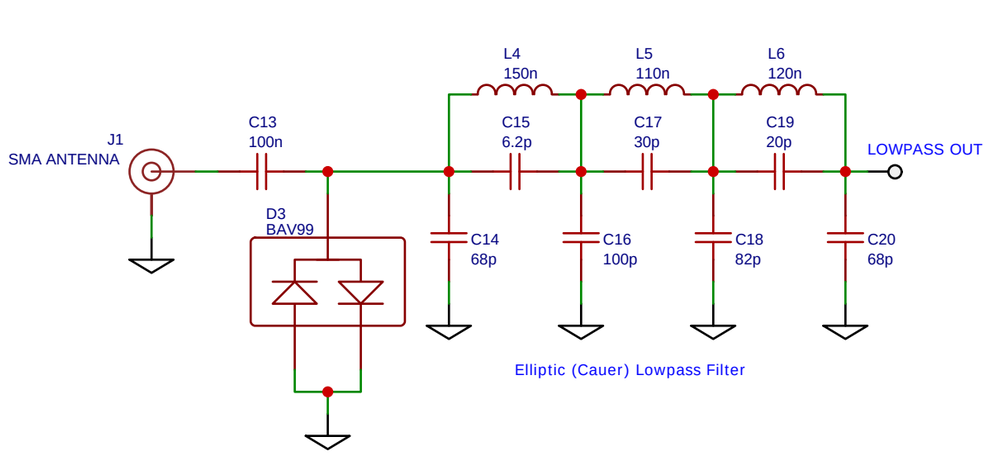
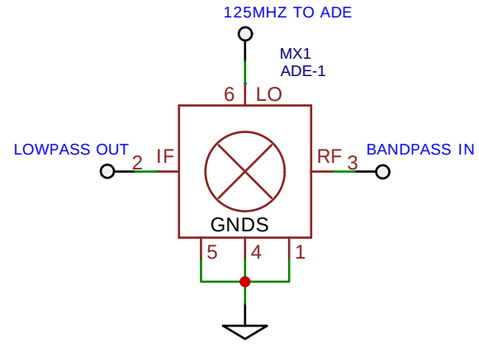
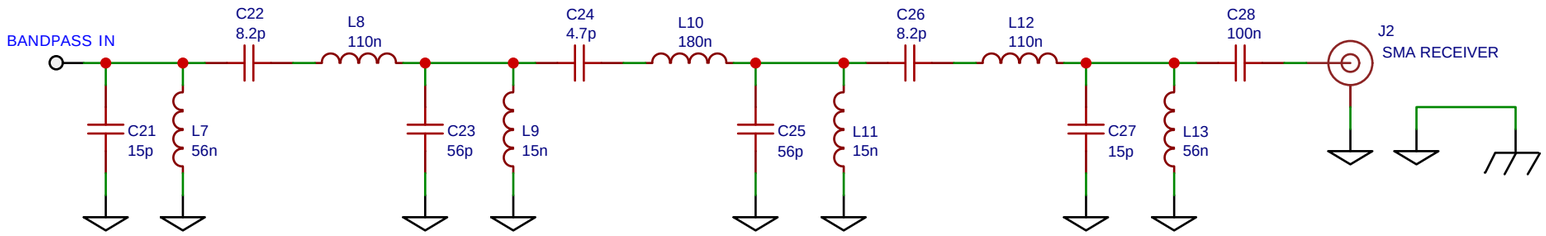


Elliptic (Cauer) Lowpass Filter





Butterworth Bandpass Filter rev. 1

Revision 2 of the Butterworth Bandpass Filter has reduce attenuation at the frequency 125 - 140 MHz and increases attenuation at the frequency 195 + MHz as compared to revision 1.
If you want to use revision 2 instead revison 1, you should use following components:
C21 = 18p, C22 = 8.2p, C23 = 68p, C24 = 4.7p, C25 = 68p, C26 = 8.2p, C27 = 18p;
L7 = 56n, L8 = 120n, L9 = 15n, L10 = 220n, L11 = 15n, L12 = 120n, L13 = 56n;
Graph of the filters characteristics are located on the project page.

ADE-1 can be replaced with the following mixers:
ADE-6+ (50 kHz+, Conv. Loss Typ. - 4.6 dB);
ADE-1ASK+ (50 kHz+, Conv. Loss Typ. - 5.3 dB);
ADE-R6+ (150 kHz+, Conv. Loss Typ. - 4.6 dB);
ADE-R6LH+ (150 kHz+, Conv. Loss Typ. - 4.9 dB);
ADE-R1+ (150 kHz+, Conv. Loss Typ. - 5.0 dB);
ADE-1MHW+ (150 kHz+, Conv. Loss Typ. - 5.2 dB);
ADE-R1LH+ (150 kHz+, Conv. Loss Typ. - 5.2 dB);
ADE-1H+ (150 kHz+, Conv. Loss Typ. - 5.3 dB);

TITLE: HF Upconverter (SMD): Mixer with filters	REV: 13.0.EE
Date: 2019-12-17	Sheet: 3/3
EasyEDA V5.1.3	Drawn By: IgrikXD