



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 revision 1, you should use following components:
C20 = 18p, C21 = 8.2p, C22 = 68p, C23 = 4.7p, C24 = 68p, C25 = 8.2p, C26 = 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+ (0.05 - 250.0 MHz, Conv. Loss Typ. - 4.6 dB);
ADE-R6+ (0.15 - 250.0 MHz, Conv. Loss Typ. - 4.6 dB);
ADE-R6LH+ (0.2 - 250.0 MHz, Conv. Loss Typ. - 4.9 dB);
ADE-1LH (0.5 - 500.0 MHz, Conv. Loss Typ. - 5.0 dB);
ADE-1MHW+ (0.5 - 600.0 MHz, Conv. Loss Typ. - 5.2 dB);
ADE-1H+ (0.5 - 500.0 MHz, Conv. Loss Typ. - 5.3 dB);
ADE-R1+ (1.0 - 500.0 MHz, Conv. Loss Typ. - 5.0 dB);
ADE-R1LH+ (1.0 - 500.0 MHz, Conv. Loss Typ. - 5.2 dB);
ADE-2ASK (1.0 - 1000.0 MHz, Conv. Loss Typ. - 5.4 dB);

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| TITLE: HF Upconverter (SMD): Mixer with filters | | REV: 9.16.EE |
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