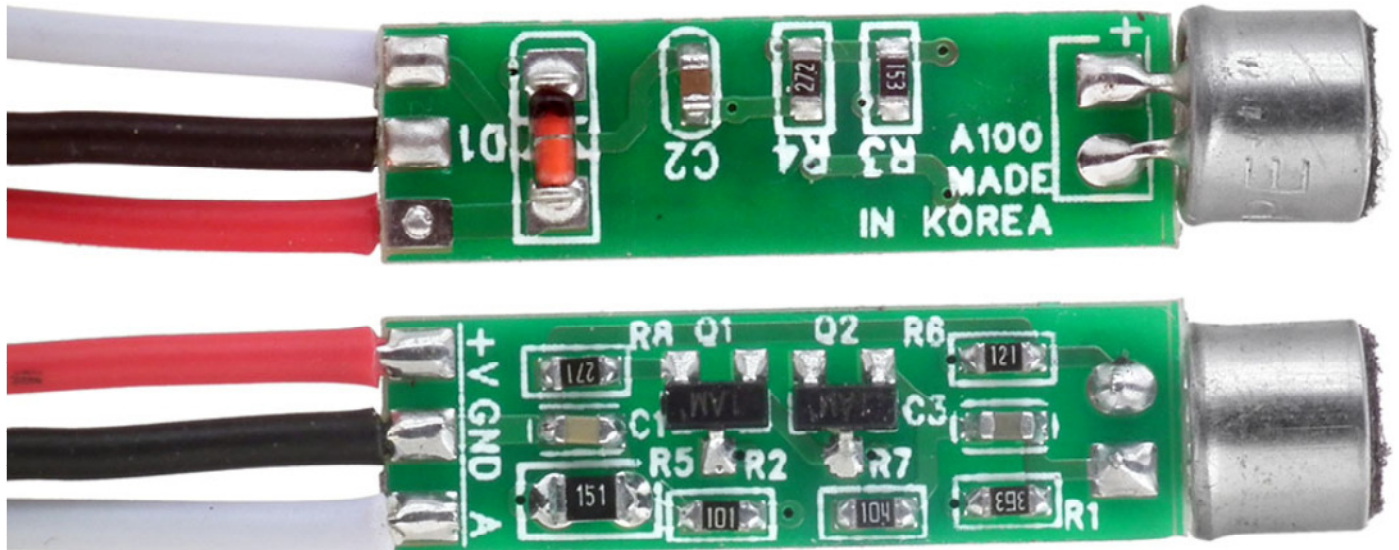
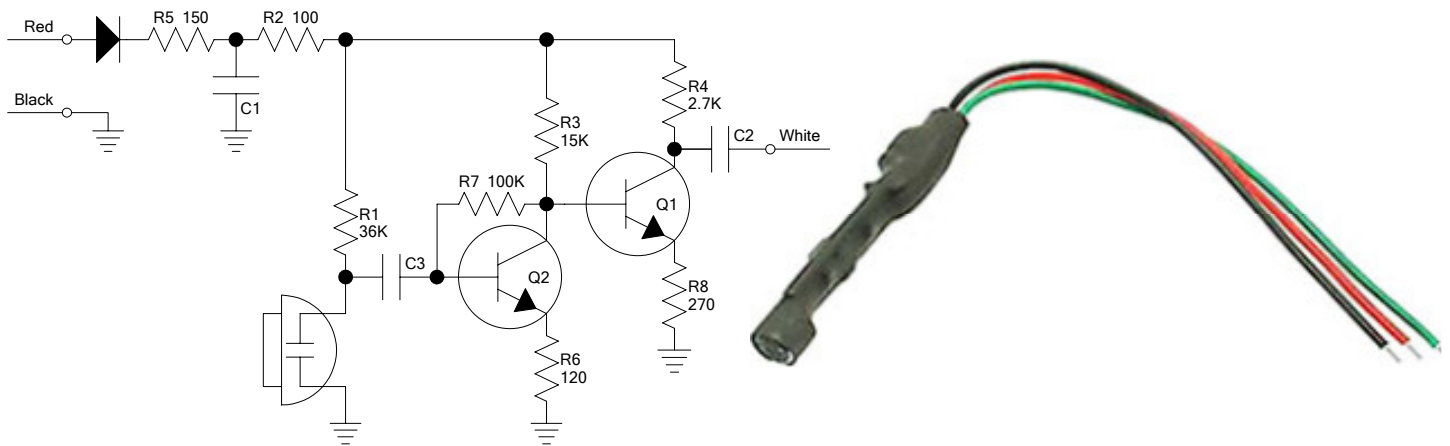


IMSD-JK26 Electret Mic

Dec 18 / 2015

Brand Name: IM&SD Model Number: IMSD-JK26
for \$0.99 w/ free shipping from AliExpress Store: Store: HK-VISION CCTV Technology Co., Ltd



Top & Bottom Views of Mic PCB

Measurements were made with a 5 mVp-p signal substituted for the mic. element and:

Maximum Output was ≈ 2.38 Vp-p at 35 KHz (which makes the Gain ≈ 475).

Frequency Response was down 3 db at 8.9 KHz and down 6 db at 5.2 KHz.

(I saw no need to test upper freq. response with 35 KHz already beyond the hearing range.)

The output would only be ≈ 1.19 Vp-p at 5.2 KHz (making the gain only ≈ 238) and if I had bothered to check in the 300Hz to 3KHz voice range that most are most interested in the output would have been too little to be of any use.

(I did check the lower freq response using the output at 3 KHz as 0 db, and the output was down 3 db at 2.0 KHz and 6 db at 1.4 KHz.)

I'm not sure why the freq response wasn't fairly flat over the hearing range as one would expect it to be for such a circuit and may look into that at a later time. Regardless, I was hoping this mic had a dual op-amp amplifier as there's no way to increase the gain of a 2 transistor amplifier much and this mike is useless for use with an IPC board camera.