



SUPERSONICS ELECT CO.

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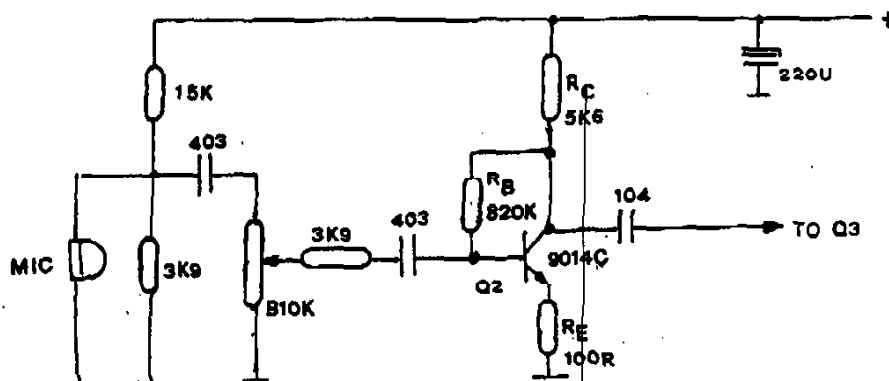
July 23, 2001.

To whom it may concern.

Dear Sir/Madam,

Re: Our Item #70055 Part DJ

The carrier frequency 100MHz of the FM MIC was set. The bandwidth of the modulated wave is related to amplitude of the modulating signal (Audio Signal). Refer to the modulating signal circuit as below:



When use large resistance $R_c 5, 6k\Omega$, $R_b 820k\Omega$ it will create a special working mode for the transistor 9014C. That is in the low current I_c and low voltage V_c , the output signal amplitude of the transistor 9014C will be restricted to a small value. Adjusting (designing) the resistance of R_e to 100Ω also restrict the output signal amplitude of the transistor 9014C to maintain the bandwidth which is less than 200kHz ($100MHz \pm 100kHz$), above interpretation had been observed in the testing.

Yours truly,

For and on behalf of
SUPERSONICS ELECT. CO.


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Authorized Signature(s)