SQUARE WAVE GENERATOR

Required components:-

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| Serial NO | Components | Quantity |
| 1. | Diode(1N914) | 2 |
| 2. | Hex inverter(74HC04) | 2 |
| 3. | Resistor(100R,10R,51R,10K) | 4 |
| 4. | Capacitor(1nf) | 1 |
| 5. | Function generator(sine wave) | 1 |

Description:

First we place the hex inverter IC74HC04 in breadboard. Connect two IC in series (q1 and q2).

Resistor R1 (10k) is connected in parallel with q1 IC.

Connect two diode D1, D2 in series shown in below fig.

Capacitor (1nf) , and resistor(100R) are connect in series with IC74HC04.

Other terminal of the capacitor is act as input and its parallel a resistor is used 51R.

Output terminal of the q2 is connected with shunt resistor

In input terminal function generator is connected and to see the output we have to connect with CRO.

