

Problem no. – 12

Problem Name: Design a Wien bridge oscillator of frequency 5kHz. Assume Capacitor 1nF.

Calculation:

Frequency = 5kHz

Capacitor = 1nF

From the equation we get,

$$R_3 = R_4 = 31.83\text{k-ohm}$$

$$R_1 = R_3 / 10 = 3.18\text{k-ohm}$$

$$R_2 = R_1 * 2 = 7\text{k-ohm}$$





