



2.45GHz to 2.85GHz VCO Design with Infineon BFP420 Wideband Silicon NPN RF Bipolar Transistor

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Part I: Introduction

Generally, VCO design contains two components: amplifier and resonator. The amplifier design is similar to the LNA or PA design except it has to be unstable in the desired working frequencies. The LC resonator usually uses varactor diodes to control the resonant frequency.

