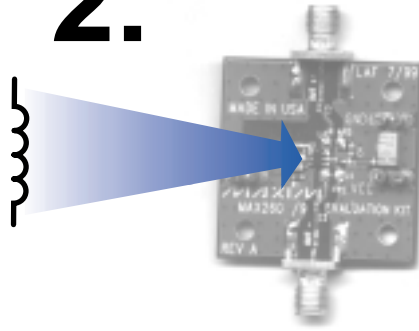


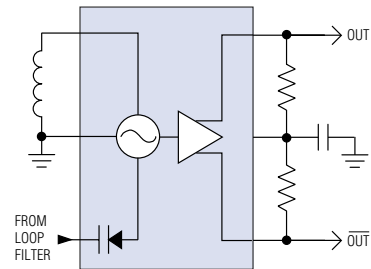
BUILD YOUR 45MHz TO 650MHz OSCILLATOR IN 5 MINUTES

STEP 1: Choose the appropriate Maxim part from table below and calculate the inductance using the formula in the data sheet.

STEP 2: Insert inductor into EVKIT.



STEP 3: Test oscillation frequency. Done.



- ◆ Easy to Use
- ◆ 2.7V to 5.5V Supply
- ◆ On-Chip Temperature Compensated Bias
- ◆ Differential or Single-Ended Output
- ◆ Up to -8dBm Output Power
- ◆ Ultra-Small Implementation Size
- ◆ Low Supply Current

The MAX2605-MAX2609 series of oscillators contain varactors, core transistors, bias circuitry, coupling capacitors, and a differential output buffer in a miniature SOT23-6 package. The internal varactor's tuning range is factory tested so that startup and proper operation over temperature are guaranteed.

PART	FREQUENCY RANGE (MHz)	SUPPLY CURRENT (mA)	PHASE NOISE @ 100kHz OFFSET (dBc/Hz)
MAX2605	45 to 70	1.9	-117
MAX2606	70 to 150	2.1	-112
MAX2607	150 to 300	2.1	-107
MAX2608	300 to 500	2.7	-100
MAX2609	500 to 650	3.6	-93



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