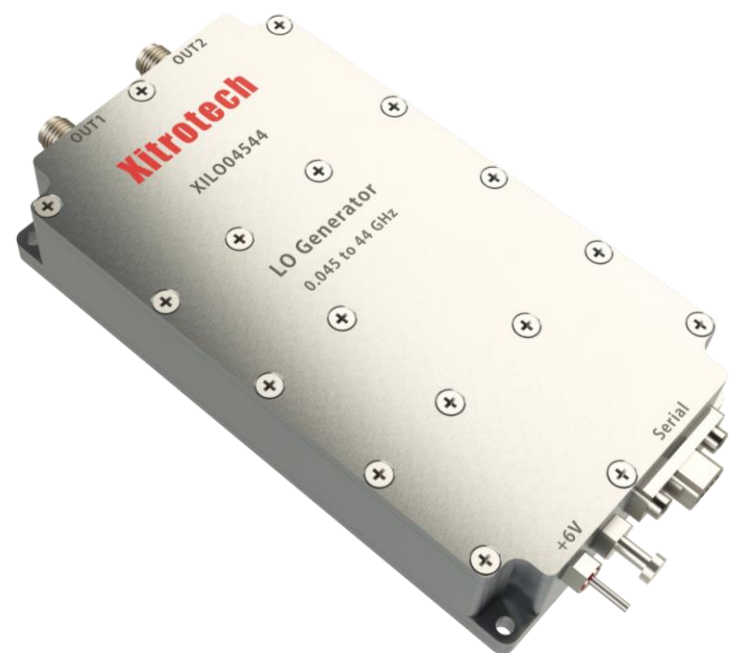


0.045 – 44 GHz LO Generator
Description

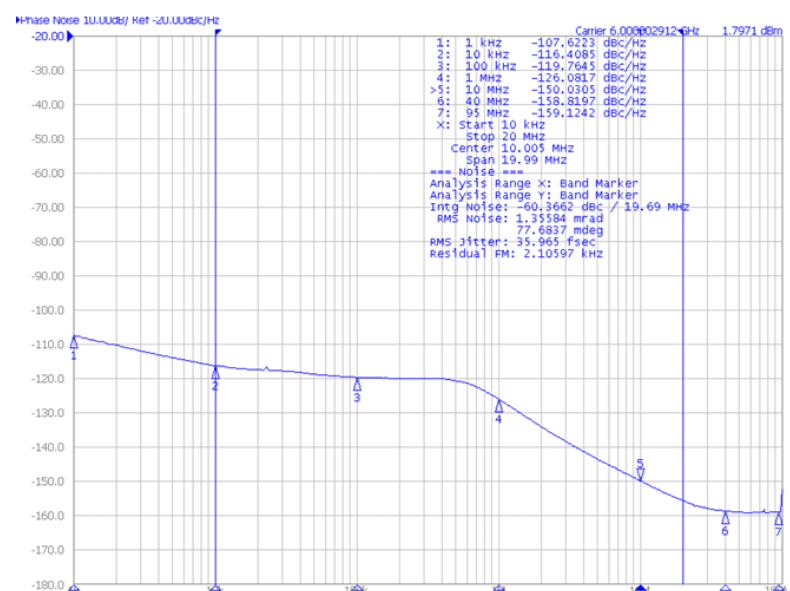
The XILO04544 is a high-performance, wideband LO that can generate frequency in the range of 45 MHz to 44 GHz. The high-performance PLL with a high phase detector frequency can attain very low in-band noise and integrated jitter. The high-speed N-divider has no pre-divider, thus significantly reducing the amplitude and number of spurs.

Features

- Output frequency: 45 MHz to 44 GHz
- High Stability
- 2.5- μ s fast VCO calibration time
- Programmable Output Power
- Low Phase Noise
- Frequency Resolution 10 Hz
- Supply (+6V)

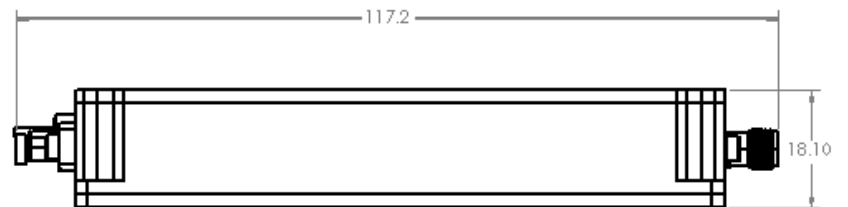
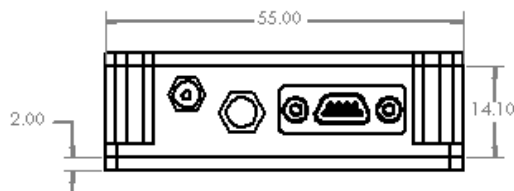
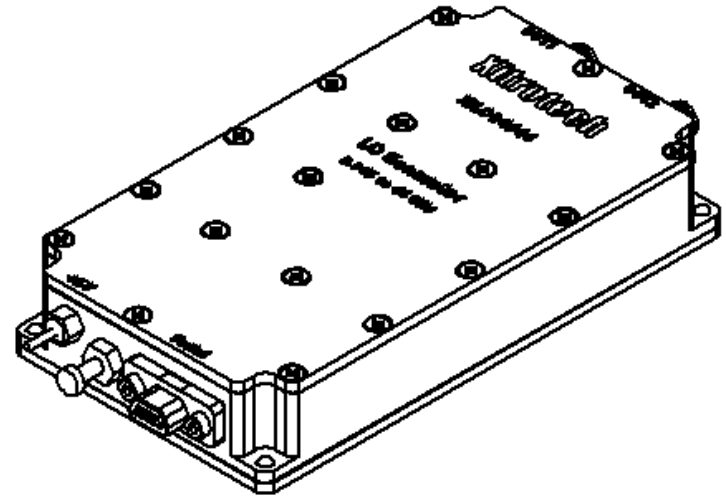
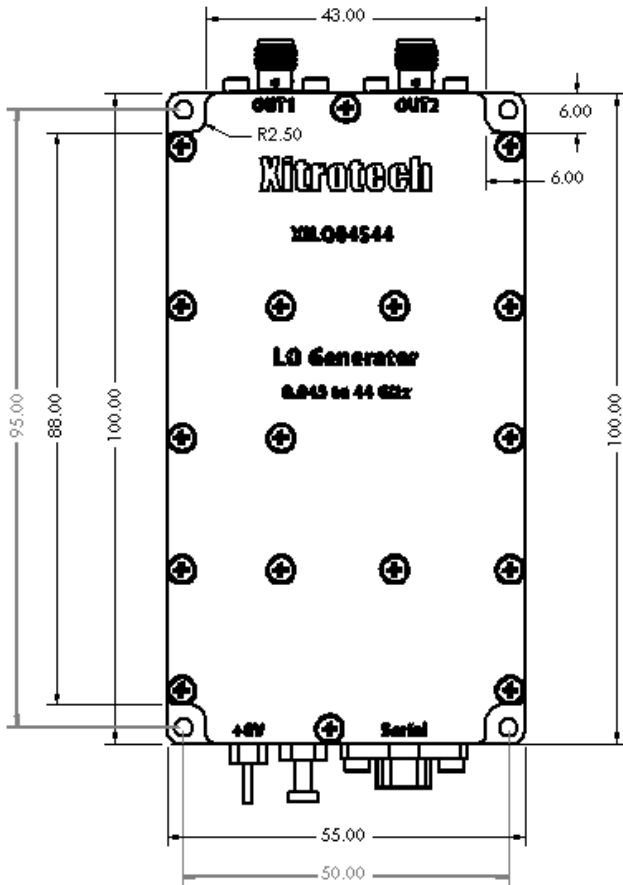

Applications

- Radar and electronic warfare
- 5G and mm-Wave wireless infrastructure
- Microwave backhaul
- Test and measurement equipment
- High-speed data converter clocking



$f_{OUT} = 6 \text{ GHz}$, $f_{PD} = 200 \text{ MHz}$, Jitter = 36 fs 12k-20 MHz

Outline Dimensions



Dimensions are in (mm). Tolerances: $\pm .015$ mm

Note:

1. Case material: Aluminum
2. Case finish : Anodized