



IDT's RF synthesizers offer a leading combination of high-performance, low-power consumption and wide tuning range.

8V97051L/53L Low-Power, High-Performance Wideband RF Synthesizers

- Best-in-class combination of low phase noise, excellent spurious performance, wide frequency range and low power
- Reduce BOM complexity and cost – eliminate the use of multiple narrow band RF Synthesizers and integrate LDOs
- Pin-to-pin compatible with similar devices from other manufacturers
- Support up to +105°C case temperature; very stable phase noise performance across temperature
- RF output range: 34.375 to 4400 MHz
- 380 mW Typical (one active output)
- Phase noise (745 MHz, Open Loop):
 - 122.8 dBc/Hz @ 100 KHz offset
 - 147.8 dBc/Hz @ 1 MHz offset
 - 156.5 dBc/Hz @ 10 MHz offset
- Excellent PSRR (reduces or eliminates LDO constraints)

Part Number	Description
8V97051L	Low Power Wideband RF Synthesizer
8V97053L	GSM Grade Wideband RF Synthesizer

