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)

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<tr>
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To learn more about IDT’s RF Synthesizers / PLLs, visit: IDT.com/go/RF-PLLs