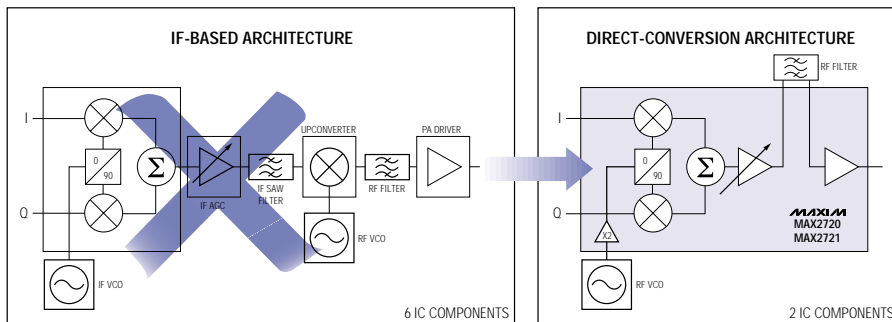


WORLD'S ONLY FULLY INTEGRATED 2.5GHz DIRECT I/Q TRANSMITTER

Ideal for Wideband CDMA Wireless Local Loop Systems

Reduce cost, component count, and board space and increase manufacturing yield with the MAX2720/MAX2721 direct I/Q transmitters. By utilizing a direct conversion architecture and expert RF integration, these transmitters reduce the number of RFIC components from 6 to 2, saving 35% cost, 50% board space, and reducing costly production alignment time.



MAX2720/MAX2721 Features:

- ◆ 1.7GHz to 2.1GHz RF Output (MAX2720)
- ◆ 2.1GHz to 2.5GHz RF Output (MAX2721)
- ◆ 35dB Gain Control Range
- ◆ Integrated PA Driver with +13dBm Output P1dB
- ◆ Full LO or 1/2 LO Frequency Input
- ◆ 33dB Carrier Suppression
- ◆ 40dB Sideband Suppression
- ◆ +2.7V to +3.3V Single Supply
- ◆ 1µA Shutdown Mode

Why Direct Conversion?

- ◆ Eliminate IF SAW Filter, Upconverter, and VCO
- ◆ Reduce Number of ICs from 6 to 2
- ◆ Save 35% in IC Cost
- ◆ Save 50% in Board Space
- ◆ Reduce Production Alignment Time
- ◆ Increase Manufacturing Yield

Other Applications:

- ◆ PCS/DCS Base-Stations
- ◆ MMDS, LMDS
- ◆ 2.4GHz ISM Band Radios



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