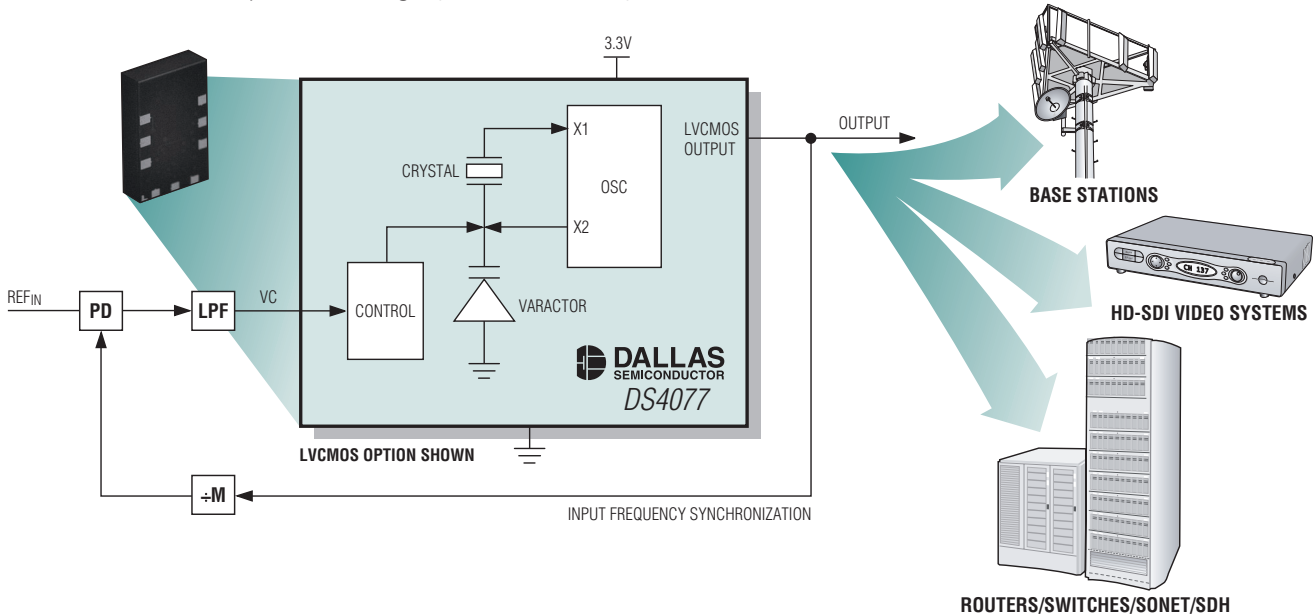


LOW-NOISE VCXO PROVIDES < 0.8 PICO SECONDS RMS JITTER PERFORMANCE

The DS4077 is an extremely low-phase-noise VCXO designed for use in wireless base stations, SONET/SDH systems, wireless radio, and HD-SDI video systems. The DS4077 uses a fundamental crystal (no frequency multiplication), and can operate from 50MHz to 122.88MHz. The device is packaged in a low-profile, 9mm x 14mm, 9-lead LGA and operates over the full industrial temperature range (-40°C to +85°C).



- ◆ > ±100ppm Pullability Range
- ◆ > ±67ppm Absolute Pull Range (APR)
- ◆ < 0.8ps_{RMS} Low Jitter (12kHz to 80MHz)
- ◆ < -145dBc Phase Noise at 10kHz Offset
- ◆ < -75dBc Spurious Response
- ◆ ±5% Linearity
- ◆ LVCOS and LVDS Outputs
- ◆ < ±30ppm Temperature Stability
- ◆ 50MHz to 122.88MHz Operating Frequency Range
- ◆ 54, 61.44, 74.25, 76.8, 77.76, and 122.88MHz Standard Frequencies
- ◆ Custom Frequencies Available
- ◆ 3.3V, ±5% Power-Supply Operation



www.maxim-ic.com/DS4077VCXO

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