

Communications

XR2212

Precision Phase-Locked Loop

Features

- Quadrature VCO Outputs
- Wide Frequency Range (0.01Hz to 300kHz)
- Wide Supply Voltage Range (4.5V to 20V)
- TTL/HCMOS Compatible (VCC = 5VDC)
- Wide Dynamic Range (2mV to 3Vrms)
- Adjustable Tracking Range
- Excellent Temp. Stability 20ppm/°C, Typ.

Applications

- Frequency Synthesis
- Data Synchronization
- FM Detection
- Tracking Filters
- FSK Demodulation

The XR2212 is an ultra-stable monolithic phase-locked loop (PLL) system especially designed for data communications and control system applications. Its on board reference and uncommitted operational amplifier, together with a typical temperature stability of better than 20ppm/°C, make it ideally suited for frequency synthesis, FM detection, and tracking filter applications. The wide input dynamic range, large operating voltage range, large frequency range, and HCMOS and TTL compatibility contribute to the usefulness and wide applicability of this device.