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Description

The TX4915 is a low power ASK transmitter IC intended for applications in the North American and European VHF/UHF bands. The integrated voltage-controlled oscillator (VCO), phase/frequency detector, prescaler, and reference oscillator require only the addition of an external crystal to provide a complete phase-locked loop (PLL). In addition to the standard power-down mode, the chip also includes an automatic lock-detect feature that disables the transmitter output when the PLL is out-of-lock.

Features

- ◆ Output frequency range: 100 – 960 MHz
- ◆ Supply voltage range: 2.2 – 3.6 V
- ◆ Low current consumption with power down capability
- ◆ On-chip VCO with integrated PLL ($\div 64/128$) dual modulus prescaler
- ◆ Out-of-lock inhibit circuit
- ◆ SSOP-16 package (0.64 mm pitch)

Applications

- ◆ Wireless mouse
- ◆ Car alarm and home security systems
- ◆ Remote control systems

Block Diagram

