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ZXNB4202

SINGLE LNB - COMPLETE BIAS, CONTROL AND POWER MANAGEMENT SOLUTION

Summary

The ZXNB4202 is a single chip power management and control solution for LNB's. The highly integrated solution provides all the required FET and mixer bias, control detection and decoding, local oscillator switching and a stable power supply for the IF amplifier and additional support functions. Packaged in a small 16 pin package the ZXNB only requires 3 external components providing a very small compact solution. Being at the heart of the LNB monitoring the control, power management and environmental conditions, the ZXNB4202 is able to provide reliable solution eliminating effects such as false switching and over loading.

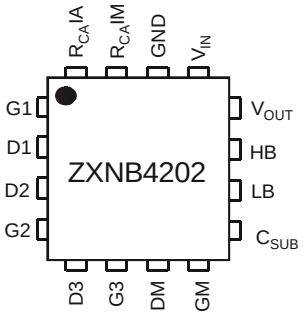
Features

- Single chip LNB bias, control and power management
- Integrated regulated supply for LNB
- Zero volt gate FET switching topology
- Voltage detection for polarization switching
- 22kHz tone detector with unwanted signal rejection for band switching
- No external control signal filtering required
- Programmable mixer and FET bias
- Temperature compensated protected FET bias
- Full power management protection

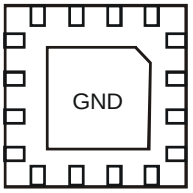
Application

- Single and Single Universal LNBs
- Mono-block LNB's
- C-band LNB's

Pin Assignments

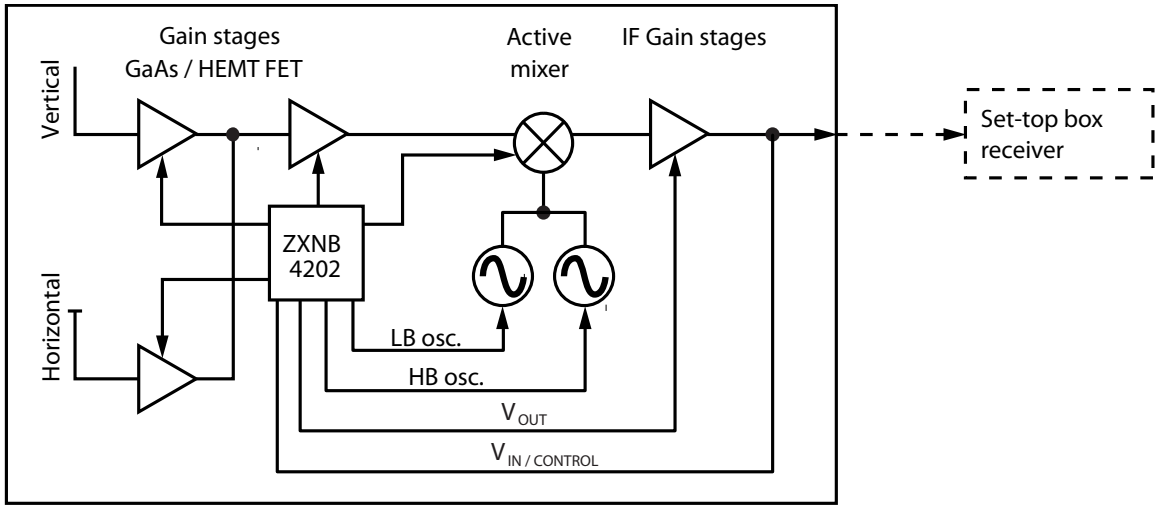


Top View



Bottom View

Single LNB System Diagram



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