

# STANDARD DBS DUAL CHANNEL VOLTAGE AND TONE DETECTOR

### Summary

The ZLNB2016 is a dual channel polarisation (voltage) and band select (tone) detector IC, primarily for satellite applications such as Low Noise Blocks (LNBs) and satellite distribution systems. An optimised design provides a low supply current and a wide operating voltage whilst increasing performance and reliability. The ZLNB2016 offers excellent interference rejection with minimal application cost and packaged in the 3x3mm QFN it provides a very small solution.

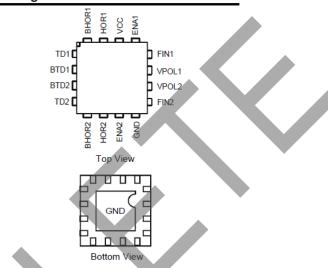
#### **Features**

- · Two polarisation voltage detectors
- Two robust, interference tolerant 22kHz tone detection (without external signal filtering)
- "No Receiver" detect function for power saving and isolation control
- · Low quiescent supply current, 2mA typical
- · Wide operating supply voltage 3V to 8V
- Low external component count minimises application
  cost
- True and inverted outputs to support popular multiplexer ICs

## Application

- Twin Universal LNBs
- Quad Universal LNBs
- Multi Output LNBs
- · Satellite Multi-Switches

# **Pin Assignments**







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