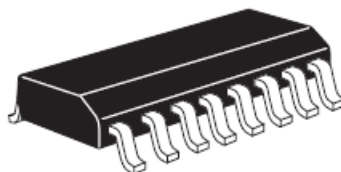


ZLNB2312

Advanced DBS dual voltage and tone detector

Description

The ZLNB2312 is a dual polarization voltage and band switch tone detector IC, primarily for direct broadcast satellite use. To support low power systems the design has been optimized to operate at low supply currents and over a wide operating voltage. To enhance reliability the ZLNB2312 also offers excellent interference rejection whilst minimizing application cost.



Features

- High accuracy 14.0V - 14.5V polarization voltage detection meeting the most stringent market needs
- 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 minimizes application cost
- True and inverted outputs to support popular multiplexer ICs

Applications

- US LNB's
- Twin universal LNB's
- Quad universal LNB's
- Multi output LNB's
- Satellite multi-switches

Low power twin universal LNB system

