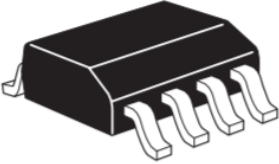


OBSOLETE – PART DISCONTINUED

Description

The ZLNB1001 multiplex controller is one of a wide range of satellite receiver LNB and IF distribution support circuits available from Zetex. It supports a single IF path providing logic outputs to select one of four IF switch input channels, which typically using PIN diodes. It is intended for use in multi-switch applications for selection and distribution of universal LNB IF output signals, replacing many discrete components including the voltage regulator to save both manufacturing cost and PCB size whilst improving reliability.



The highly accurate control input of the ZLNB1001 has both voltage and tone control for the four required states. The voltage threshold is nominally 14.5 V and to meet the demanding requirements of some broadcasters it has a switching range of 14.0 V to 15 V. The threshold is temperature compensated to minimize drift. This features a low and stable input current that enables transient protection to be achieved with the addition of only a single resistor.



The outputs are configured to deliver a positive regulated voltage drive of 7 V when a desired channel is selected, and 0V when de-selected.

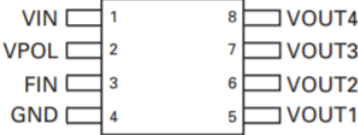
Features

- Precision voltage and tone detectors
- Temperature compensated
- Low cost solution
- Integrated tone filter
- Powered from STB: no additional power requirement
- Direct drive to PIN diodes
- SO8 SMD package

Applications

- Switch boxes for satellite IF distribution
- LNB receivers

Pin out - top view



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