

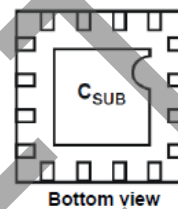
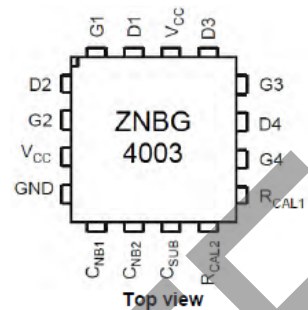
Description

The ZNBG4003 is a four stage depletion mode FET bias controller intended primarily for satellite Low Noise Block's (LNB's), but its also suitable for other LNA applications such as those in found in PMR's and microwave links. The ZNBG4003 provides each FET with a negative gate voltage and positive drain voltage with user programmable drain current.

Features

- Four stage FET bias controller
- Operating range of 4.75V to 8.0V
- FET drain voltages set at 2.0V
- FET drain current selectable from 0 to 15mA
- Allows first and second stage FETs to be run at different (optimum) drain currents
- FET drain voltages and currents stable over temperature
- FETs protected against overstress during power-up and power-down.
- Internal negative supply generator allowing single supply operation (available for external use)
- Low external component count
- **Totally Lead-Free & Fully RoHS Compliant (Notes 1 & 2)**
- **Halogen and Antimony Free. "Green" Device (Note 3)**

Pin Assignments



Applications

- Two single type Twin LNB's
- Twin LNB's
- Quad LNB's
- Microwave links
- PMR and Cellular telephone systems

OBSOLETE

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