

Features

- CMOS Integrated Ku band to L band downconverter
- Integrated VCO and PLL
- Integrated pre-amplifier, mixer and L band buffer amplifier
- Integrated reference oscillator (27MHz is default)
- Integrated 22K tone detection and polar voltage selection
- Integrated negative voltage generator and phemt FET bias control
- Low phase noise
- Low power consumption
- Switched LO frequency between 9.75GHz and 10.6GHz
- Also support 10.75GHz LO frequency
- Also support 11.3GHz LO frequency
- 5.5V to 6.5V operation
- Low spurious
- Lower profile packages: 4×4 mm QFN24

Applications

- Ku band LNB converters for digital satellite reception
- Ku band LNB for Domestic ABS-S application