



## STC 400, STC 410 Series

### L-Band to SHF-band Outdoor Remote Mounted Frequency Block Upconverters



STC 400 Series fixed gain outdoor mounted Block Upconverters are providing a high-performance, convenient and economical solution for systems, requiring L-Band to SHF frequency converters, mounted close to the antenna.

High amplitude linearity, low phase noise, spectral purity and high dynamic range make this frequency converter ideally suitable for low and high speed data transmission rates and advanced digital modulation schemes.

STC 400 Series converters are basic, economical models with factory set fixed gain in the range of -10dB to +10dB, and standard internal reference oscillator. For providing higher frequency stability an

external high stability 10MHz signal must be provided through the RF cable connector.

STC 410 series models are advanced models with very low phase noise, factory set fixed gain in the range of +10dB to +30dB gain, higher P1 dB compression point and high performance, ultra-low noise internal reference oscillator.

When external reference is supplied, the unit will automatically sense it and lock on that external reference source. In the absence of an external reference signal, the unit will automatically lock on internal reference source.

#### Applications

- Satellite ground stations
- Uplinks systems
- Satellite multi-service systems
- Digital Satellite News Gathering systems (DSNG)
- Fly-Away Terminals

#### Highlights

- Outdoor mounted hermetic compact housing
- External reference in with autosense
- Exceptional spectral purity
- Easy system integration with the application driven customized gain setting
- High amplitude linearity
- Try-color status LED

#### Options

- High performance internal 10 MHz reference oscillator

