

## FEATURES

- Set of 11 dual channel microwave block downconverters
  - 6 to 8.5 GHz
  - 7.2 to 10.8 GHz
  - 10 to 14 GHz
  - 14 to 18 GHz
  - 17 to 22 GHz
  - 17.9 to 26.5 GHz
  - 22 to 26 GHz
  - 24 to 42 GHz
  - 26 to 31 GHz
  - 31 to 36 GHz
  - 36 to 39.6 GHz\*
  - 39.6 to 42.8 GHz\*
  - 42.8 to 44 GHz\*

\*Also requires 7.2 to 10.8 GHz

## APPLICATIONS

- Spectrum Monitoring
- Wideband Recording Systems
- Satellite Communication Interference Monitoring
- Radar Monitoring
- Portable Collections Systems



# NDR511

## Dual Channel Microwave Downconverters

### DESCRIPTION

The NDR511 is a family of dual channel block downconverters that cover 11 specific bands in the 6 GHz to 44 GHz frequency range. Each module downconverts the input frequency band to an IF output below 6 GHz (the IF output of each module is designed to be connected to the input of a 6 GHz tuner). CyberRadio Solutions provides a variety of Tuners to provide final downconversion and digitization for digital IF data output streams. Each downconverter module contains two identical downconverters both driven by the same LO. The two downconverter channels are phase coherent to support interference identification on systems using cross polarization techniques as well as other phase coherent applications.

The units are powered by a +12 VDC external power input and require no external control. The units are packaged in 5.7" x 8.4" x 1.6" sized housing and constructed of a rugged aluminum chassis that provides RF shielding, thermal management, and protection suitable for harsh environments.

Note that these downconverters are designed for applications that typically have system gain before the downconverter. It is feasible to incorporate front-end gain into the downconverter. Please contact [sales@CyberRadioSolutions.com](mailto:sales@CyberRadioSolutions.com) to discuss further.