

FEATURES

- Set of 9 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
 - 22 to 26 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 downconverter

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 9 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 powered by a +12 VDC external power input and require no external control.

The unit is powered by a +12 VDC external power input and requires 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.