

FEATURES

- 2 GHz to 20 GHz frequency coverage
- 4 GHz analog IF Output
 - 2 GHz bandwidth
- 1.4 GHz analog IF Output
 - 1.5 GHz bandwidth
- 100 microsecond tuning speed
- Gigabit Ethernet Control
- 5.7" X 8.4" X 1.6" form factor
- 8 to 29 VDC Power Input

APPLICATIONS

- Microwave Backhaul
- Microwave Communications
- Extension of V/UHF Applications

NDR561

Wideband Microwave Tuner



DESCRIPTION

The NDR561 microwave tuner is a super-heterodyne downconverter that covers microwave signals from 2 GHz to 20 GHz. The unit provides both a 4 GHz analog IF output supporting 2 GHz of bandwidth and a 1.4 GHz analog IF output supporting 1.5 GHz of bandwidth. The NDR561 includes an embedded Linux controller that accepts user commands via a Gigabit Ethernet interface. The unit is powered from an 8 to 29 volt external DC power input.

The unit is housed in a 5.7" x 8.4" x 1.6" rugged aluminum package that provides RF shielding, thermal management, and protection suitable for harsh environments. Future options include an integrated digitizer and FPGA to provide a streaming digital IF output.