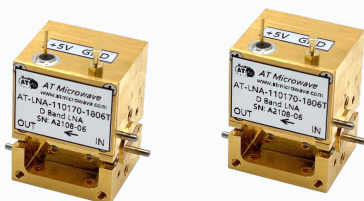


Low Noise Amplifier 110-170 GHz | WR6 D-Band LNA



TECHNICAL SPECIFICATIONS

- **Frequency Range**
110-170 GHz (complete D-Band coverage)
- **Waveguide Interface**
WR6 (standard D-Band rectangular waveguide)
- **Gain Options**
18 dB and 33 dB configurations
- **Architecture**
Fullband amplification without tuning requirements
- **Input/Output Matching**
Optimized VSWR performance across operating bandwidth

APPLICATIONS

SATCOM Ground Terminals:
Uplink and downlink signal
reception at D-Band
frequencies for high-capacity
satellite communication systems

Defense & Radar: Millimeter-
wave sensing and surveillance
systems requiring low noise
performance in detection and
imaging chains

6G Research: Experimental
platforms and testbeds
operating in sub-THz frequency
bands for next-generation
wireless communication
research

High-Resolution Imaging:
Passive radiometry and active
imaging systems leveraging
millimeter-wave propagation
characteristics