

D-Band WR6 Amplifier 110-170 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Range**
110-170 GHz (full D-band coverage)
- **Gain Options**
18 dB and 33 dB configurations available
- **Waveguide Format**
WR6 standard for D-band operation
- **Design**
Compact waveguide geometry minimizing phase distortion
- **Supply Configurations**
DC-powered module variant and benchtop unit with integrated AC/DC adapter (LCBT version)

APPLICATIONS

5G/6G & Telecommunications:
D-band segment
communication infrastructure
for next-generation wireless
networks

Radar & Defense: Radar
systems and detection
platforms requiring extended
frequency range, Foreign Object
Debris (FOD) detection systems

SATCOM: RF-over-Fiber (ROF)
architectures and distributed
antenna systems

Test & Measurement: High-
frequency test equipment and
scientific research
instrumentation for spectroscopy