

# Bench Top Amplifier up to 230 GHz



## TECHNICAL SPECIFICATIONS

- **Frequency Coverage**

Waveguide bench top amplifiers span WR22 to WR06 bands, reaching up to 230 GHz; coaxial variants extend to 70 GHz

- **Ultra-Broadband Coaxial Options**

Available from 10 MHz to 70 GHz for maximum flexibility in measurement scenarios

- **Compact Form Factor**

Designed for benchtop deployment without requiring extensive laboratory space

- **Standardized Interfaces**

SMA connectors on coaxial models; waveguide ports on high-frequency variants

- **European Compliance**

CE declaration included for seamless integration into European markets

- **Lead Time**

Rapid delivery schedules compared to custom-built solutions

## APPLICATIONS

5G/6G & Telecommunications: Component characterization and system-level testing across sub-6 GHz and mmWave frequency bands

SATCOM Testing: Signal amplification for satellite communication receiver verification and link budget analysis

Defense & Aerospace: Radar cross-section measurements and RF payload testing up to W-band and beyond

Material Characterization: THz-adjacent frequency exploration for dielectric and conductive material studies

Research & Development: Cost-effective infrastructure for laboratories investigating millimeter and sub-millimeter wave phenomena

Component Validation: LNA, mixer, and detector performance assessment without full-scale system integration