

# WR6 Power Amplifier 110-170 GHz



## TECHNICAL SPECIFICATIONS

- **Frequency Range**  
110-170 GHz (full D-band coverage)
- **Gain**  
20 dB with flat response across bandwidth
- **Input/Output Return Loss**  
Low VSWR characteristics
- **Configuration Options**  
Standard waveguide version and LCBT bench-top variant with integrated +220V AC/DC power supply
- **Output Power (PSAT)**  
+18 dBm typical
- **Interface**  
WR6 waveguide connectors
- **Linearity**  
High linearity performance for waveform integrity

## APPLICATIONS

D-Band Imaging Systems: High-resolution imaging and sensing applications requiring broadband mmWave coverage

FOD Detection: Foreign Object Debris detection systems for aerospace and manufacturing inspection

RF Over Fiber (RoF): Distributed antenna systems and remote RF signal transmission architectures

Radar Systems: Automotive, defense, and industrial radar platforms operating in the D-band

Test and Measurement: Laboratory equipment and signal generation for characterization and validation