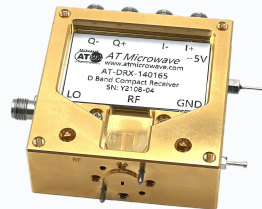


Tx/Rx Modules up to 500 GHz



TECHNICAL SPECIFICATIONS

- Frequency range up to 500 GHz — from Ka-band to sub-THz
- Transmitter modules (Tx) with output power up to several watts CW/pulsed
- Transceiver combinations for integrated Tx/Rx systems
- High availability and cost optimization
- Waveguide designs (WR22, WR15, WR10, WR6.5, WR5.1 and above)
- Receiver modules (Rx) with low-noise LNA front end and typically <8 dB noise figure
- Wide tuning ranges, optional PLL/VCO integration

APPLICATIONS

Radar & FMCW sensing: ADAS, industrial distance measurement, throughput measurement

6G & wireless backhaul: Broadband point-to-point radio, high-data-rate links

SATCOM & telecommunications: Uplink/downlink in X/Ku/Ka-band and higher

Defense & Mil-Spec: Electronic warfare, surveillance, secure communication

Test and measurement: Spectral analysis, material testing, laboratory instrumentation