

## Markets and Applications

### At A Glance

- HF, VHF, UHF, L-, S-, C-, & X-Band Power Amplifier Design
- 1 to 200 Watts RF Output Power
- Bi-Directional & Bypassable Designs
- CW Operation
- Pulse Mode Operation
- Gain and Power Control
- VSWR Detection and Protection
- Integrated Harmonic and Noise Power Filtering
- Burst Mode Transmitters
- Modulation Waveform Specific
- High Linearity
- High Efficiency
- Broadband Techniques
- Small Form Factors
- Model Creation and Simulation
- Class A, B, AB, C, F
- Broad Range of DC Power
- On-Board Power Limiter for Receive Path
- Spectrally Clean Transmitter Output



**UAV and Airborne**



**Shipboard and Ground Stations**



**High-End Commercial and Industrial**

# Design Examples and Capabilities

*Custom designs to meet your specifications.*



## Power Amplifier for Airborne Datalink Application

- Range extension of UAV datalink
- 10 Watt output power
- Small form factor



## C-Band Airborne and Ground Mobile Video Datalink Power Amplifier

- Operation up to 70,000 ft
- Internal harmonic and noise rejection filtering
- Output power control
- Pmax to Pmax-14 dB power levels



## Bi-Directional Power Amplifier UAV Datalink - C Band

- Range extension
- Small form factor for wing tip installation
- Three month design and development effort from concept to production



## Bi-Directional Power Amplifier UAV Video Link Application

- Range extension of UAV datalink
- High linearity
- Airborne and ground station



## Small Form Factor PA for Space Constrained Applications

- 10W output power
- Broadband



## Signal Jamming L & S Band Power Amplifier

- 50 watt output power
- VSWR Protection



## 150 Watt UHF Transmit/Receive for Navy Tracking System