

What's **NEW**@ **RENAISSANCE** An AEM Company

**Qualified Space grade RF components and
Integrated Modules for LEO, MEO and GEO**

Ka-Band BUC/BDC:

For HTS and LEO/MEO constellations, these GaN based converters deliver higher power efficiencies, reduced power consumption and improved heat dissipation.

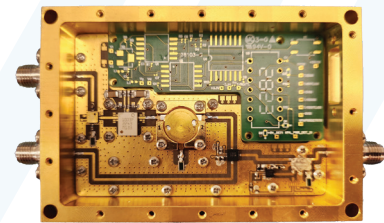
- Integrated Power Amplifier option
- Fixed and Programmable LO option
- Band Switching Option from 18-40 GHz



Transceivers and Front-Ends:

Robust and versatile RF Transceiver systems which convert Digital Data to RF signals used for Communication and telemetry systems.

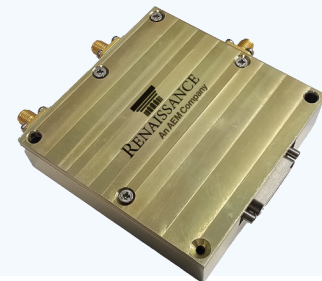
- S-band transceiver for data with < 20 MHz IFBW with 1mW modulated O/P power and 55 dB SFDR
- UHF transceiver for data with < 20 MHz IFBW
- Direct RF sampling Transceivers for IFBW > 250 MHz
- X-band 10 W Tx and 3dB NF RF Front End



SMART Amplifiers:

GaN based SWAP-C Amplifiers that has high linearity and efficiency across various power levels with power and temperature monitoring and packaged for optimized thermal performance.

- Wide Input Voltage range (5V-32V)
- 1 to 8 W Variable Output Port at S-band
- 12W option available for UHF



Explore our technologies :



<https://bit.ly/4iQOaV2>