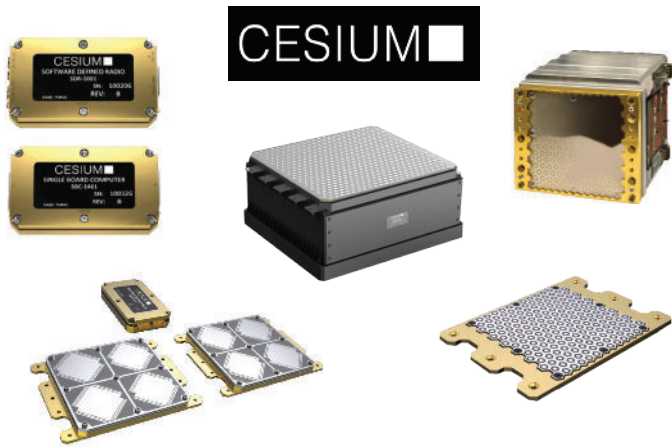


RF, TELEMETRY, TIMING & COMMUNICATIONS LINE LIST

AIRBORNE & SPACE APPLICATIONS



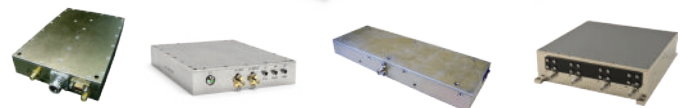
- Active Phased Array Systems - Fully-integrated Ka-band Phased Array Communication system, High-speed RF Links w/Dynamically-steerable Beam
- Small form factor plug & play integration w/LEO spacecraft & airborne platforms
- Digital Back-end Modules - Reconfigurable Software Credit card-sized Modules, Integrated Form Factor
- Software-defined Radio, Single-board Computer, Power Conditioning Unit, Up/down Converter



- Space Communications Payload Units & Subsystems
- Receivers, Upconverters, and Downconverters
- Low Noise Amplifiers (LNAs) - Frequency Bands: L, S, C, X, Ku, Ka, & V Bands
- Oscillators - MLOs, MROs, RGUs, MOGs, PLDROs
- Beacons - C, X, Ku and Ka Bands
- Power Monitors Units - RF Power to a DC Voltage for Telemetry / Ground monitoring
- Solid State Power Amplifiers
- Dielectric Resonator Oscillators (DROs) & Amplifiers
- Multiplexers, Ancillary Hardware, Design and Manufacture Passive Microwave Components to Spec
- High Power Passive Components
- Multipaction
- Passive Intermodulation
- Corona Breakdown
- High Q, Low Loss designs
- Light-weight space applications



- Transmitters, Receivers, and Transceivers
- Power Amplifiers - Power, Low Noise, Bidirectional
- Frequency Converters
- Custom RF Equipment
- Contract Manufacturing
- Build-to-Print Products



RF, TELEMETRY, TIMING & COMMUNICATIONS LINE LIST

AIRBORNE & SPACE APPLICATIONS



- Metal 3D Printed Custom Antennas
- Compact, Lightweight, High Performance Antennas
- Phased Arrays, Horn Arrays, Slotted Arrays & Feeds
- Production Quality Parts, Antenna Tracking Solutions
- Antenna Feeds & Subreflectors, Waveguide Assemblies



- SWaP-C Optimized Rugged Storage Solutions to Capture, Process, Store, Host & Secure Data
- Flight Test Recorders with Flexible & Modular I/O, Sustained Data Rates to 1k Mb/sec, & 64GB to 1TB+ of Removable Storage, IRIG 106 Chapter 10 File Format, Outputs Chapter 10/11 Data as a Chapter 7 Serial PCM
- Rugged Recorders with Various Speeds & Storage for All Environments.



- UAV Avionics solutions to Levitate, Communicate, navigate, Separate and Identify Friend of Foe (IFF)
- Low SWaP Micro IFF Mode 5 Solutions for Tactical UAVs Transponder, Receiver & Combined Transponder-Receiver
- UAS autopilots, Command & Control (C2) solutions for point-to-point or networked UAS operations for Beyond Visual Line of Sight Operations.
- GPS solutions designed for Unmanned Aviation Systems.
- Certified Mode S ADS-B Transponders & Detect & Avoid Solutions for Worldwide Compliance for Unmanned Aviation Systems.



- Safeshot™ (Flight Safety System) - Integrated, Compact Telemetry (TM) & Flight Safety System
- Telemetry Encoders & Transmitters, Network Data Acquisition System, COMSEC Devices & Cryptos
- Airborne Data Acquisition & Termination Receivers



- Space Flight RF Interconnects & High Density Solutions w/Long Space Heritage in LEO, MEO, GEO & Interplanetary Apps, Manned & Unmanned
- Minibend Truly Flexible, Solderless Coaxial Cable
- Light-weight, Low Loss Microwave Cable Solutions up to 70GHz, w/Bend-to-the-End Flexibility
- Sub Miniature Connectors for Power Sensitive Applications - TNC MIL-PRF-39012 Power Handling w/SMA Footprint - Multipaction & Corona Resistant, Five Shielded Cable to 90GHz for High Radiation Applications w/Resistance to 200 MRad