Welcome to the Winter 2021 space edition of the Aerospace and Defense newsletter. For more information on our products and capabilities, please visit our aerospace and defense homepage.

Featured Space Solutions:

**AD9361S: RF agile transceiver**

**Features**
- RF 2 × 2 transceiver with integrated 12-bit DACs and ADCs
- Transmit band: 46.875 MHz to 6.0 GHz
- Receiver band: 70 MHz to 6.0 GHz
- Dual transmitters: four differential outputs
- Dual receivers: six differential or 12 single-ended inputs
- Transmit noise: ≤ –157 dBm/Hz noise floor (typical)

**Applications**
- Low Earth orbit (LEO) satellites
- Avionics
- Point-to-point communication systems

**ADH939S: Aerospace 0.1 GHz to 40 GHz, GaAs, MMIC, 5-bit, 1.0 dB LSB digital attenuator**

**Features**
- 1.0 dB LSB steps to 31 dB
- Insertion loss: 6.4 dB (typical) at 40 GHz
- ±1.0 dB (typical) bit error
- High input IP3: 43 dBm (typical)
- Power handling: 25 dBm
- Dual-supply operation: ±5 V

**Applications**
- Test equipment and sensors
- Transceivers
- Space and military

**ADH941S: Aerospace 0.1 GHz to 30 GHz, GaAs, MMIC, 5-bit, 0.5 dB LSB digital attenuator**

**Features**
- 0.5 dB LSB steps to 15.5 dB
- Insertion loss: 4.4 dB (typical) at 30 GHz
- ±0.5 dB (typical) bit error
- High input IP3: 45 dBm (typical)
- Power handling: 27 dBm
- Dual-supply operation: ±5 V

**Applications**
- Test equipment and sensors
- Transceivers
- Space and military

**Additional Resources**

**Featured Brochure:** ADI Commercial Space Products Program

Learn more about the capabilities of ADI commercial space products and advantages to using commercial space products in your designs.

**Featured Article:** Mars Perseverance and Hardened Technology In Extreme Environments

Take a deeper look into the story behind the Perseverance Mars rover, its mission objectives, and the longstanding collaboration between NASA JPL and Analog Devices.

**Featured Video:** NSREC 2020: Commercial Space Products for Lower Cost Satellites

Learn more about the benefits of commercial space parts over automotive- or EP-grade parts and the different commercial space manufacturing flows.

For more details, visit analog.com/adef.