

# KRATOS | GENERAL MICROWAVE Microwave Electronics Division



## RELIABLE TT&C TRANSCEIVER FOR SPACE APPLICATIONS

Kratos Microwave General's S-band TT&C (Telemetry, Tracking, and Command) transceiver is purpose-built for space applications, including satellite communications and Earth observation missions, providing two-way communication between spacecraft and ground infrastructure.

### Compact and Flexible Design

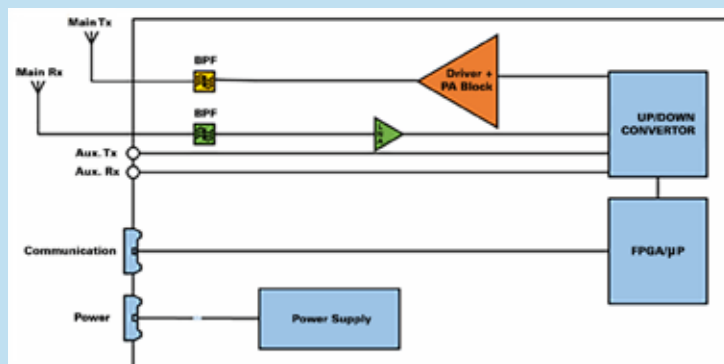
Engineered with Software Defined Radio (SDR) and Zero-IF technology, the TT&C transceiver supports a wide range of S-band frequencies. Furthermore, the flexible architecture enables quick customization to meet specific mission requirements.



The TT&C transceiver offers two auxiliary channels, enabling external frequency converters that operate across additional frequency bands. Specifically designed to address the challenges of small satellite missions, the transceiver's compact size and energy-efficient operation make it an ideal choice for limited space and power environments.

### Key Benefits

- Adaptable SDR (Software Defined Radio) architecture
- In-orbit configuration of operational parameters like frequency, gain, output power
- Compact and Lightweight design
- Energy-efficient, low-power consumption
- Two auxiliary channels
- Fully redundant (Dual transceivers)



### KRATOS General Microwave Israel

With over 50 years of expertise, KRATOS General Microwave Israel is a leading independent provider of microwave solutions, serving military, civil, and space industries worldwide. Our innovative technologies are engineered to meet the stringent demands of mission-critical applications across a variety of platforms, including space, missile, airborne, naval, and ground systems.



Recognized as a global leader in high-performance microwave components and subassemblies, we specialize in solutions for Low Earth Orbit (LEO) and Geostationary Earth Orbit (GEO) satellites, ensuring reliability in challenging and demanding environments. Our products are meticulously designed to exceed the rigorous standards of space operations, delivering technical precision and operational reliability for mission success.

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