

# KRATOS | GENERAL MICROWAVE Microwave Electronics Division



## TRANSMIT RECEIVE MODULE FOR SPACE APPLICATIONS



### KRATOS General Microwave Israel: Advancing Transmit Receive Module for Space Applications

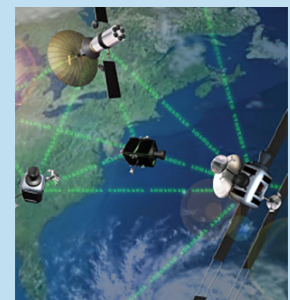
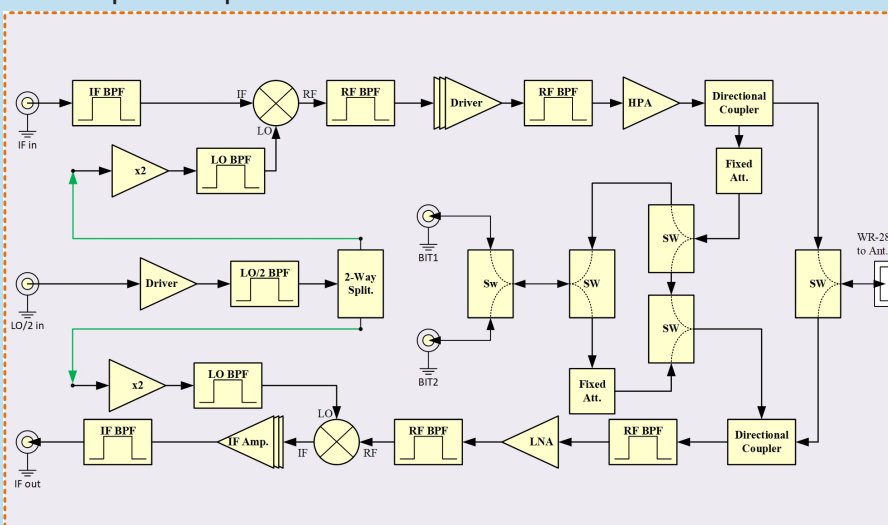
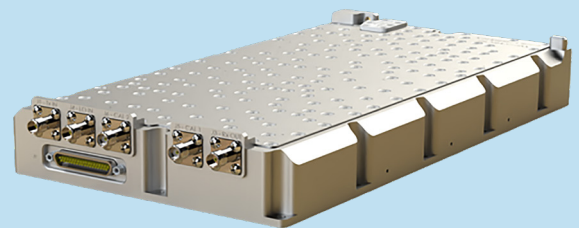
KRATOS General Microwave Israel is a recognized global leader in the design, development, and production of state-of-the-art Modules for Phased Array Radars. Our innovative solutions are tailored to meet the stringent demands of critical radar applications, including those for Space and Missile systems. With a proven track record, our modules are designed for Low Earth Orbit (LEO), Medium Earth Orbit (MEO) and Geostationary Earth Orbit (GEO) satellites, playing a vital role in mission-critical operations.

#### Product Overview

Our Transmit and Receive Module (TRM) is a compact, high-performance solution designed specifically for space applications. The TRM features an L-band to Ka-band up-converter with a power amplifier, a low-noise amplifier (LNA) and a down-converter to the L-band. It also incorporates an internal LO amplification and doubling chain, enabling seamless integration with an external low-frequency LO. Additionally, the TRM includes an advanced calibration network that allows real-time phase and amplitude calibration of multiple TRMs simultaneously.

#### Main Parameters

- Up and Down conversion from L-band to Ka-band
- High Power Tx amplifier
- Low noise Rx amplifier
- Two LO doublers
- Calibration Network with auxiliary inputs/output
- Competitive price



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