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NS+

Ready to fly

RFMICROTECH

RFMICROTECH
space for your need

Seamless integration, enhanced reliability

Following our experience in several space programs, we introduce NS+ as our line of ready-to-use microwave equipment dedicated to commercial and institutional New Space programs.

While maintaining the New Space paradigm in terms of lead-times, prices and high-volume manufacturing, each product of the NS+ line has been designed, validated and qualified to withstand the LEO environment over long-duration missions.

The NS+ product line includes: GNSS, TT&C and datalink antennas, microwave filters, diplexers and couplers.



Superior RF performance



Low-outgassing materials selected



Protected against atomic oxygen and ESD



Tested in TVAC



Qualified for vibration and shock



Hi-rel RF connectors used



Acceptance tests included



Documentation available

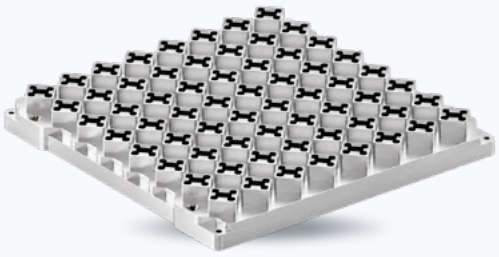
TT&C ANTENNAS

Our Telemetry, Tracking and Command (TT&C) antennas ensure uninterrupted link reliability from Low Earth Orbit. Used in pairs on opposite sides, they provide full spherical coverage to the satellite platform.



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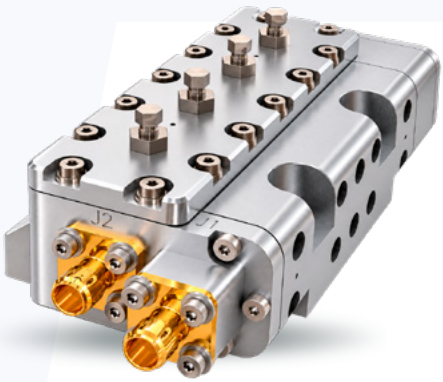
DATALINK ANTENNAS

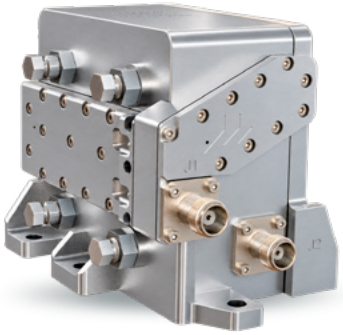
These antennas are designed and manufactured to provide the highest throughput to your satellite data transmission systems. High-gain, low-SWaP antennas are available in X and Ka-Bands.

NAVIGATION ANTENNAS

Our GNSS All-Band antenna provides high passive gain (5 dBi), full coverage from L1/E1 to L5/E5, excellent phase-center stability and compact dimensions for robust and precise satellite navigation.







FILTERS & DIPLEXERS

Get the best out of your radios in the crowded RF spectrum.
Our microwave filters offer low insertion loss, high selectivity and high power handling in the harshest space environments, from UHF to X-Band.

COUPLERS

Our couplers are characterized by excellent isolation and directivity, high power handling and low loss, from UHF to X-Band. Hybrid couplers are available to work in conjunction with TT&C antennas for full satellite coverage.



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RF Microtech since 2007 is a leading provider of advanced radio frequency solutions for the space, satcom and aerospace sectors.

Innovation and expertise come together in the design of cutting-edge antennas, filters and active systems.

Behind every product there is a team of experts working with passion to ensure quality and reliability, from tailored-made design to series production.

We are proud to collaborate with the European Space Agency and the Italian Space Agency in the framework of European and National programs such as EXOMARS, IRIDE, MOONLIGHT and CELESTE LEO-PNT.

We offer
Catalogue Products
Custom Designs
Innovative Solutions

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Certifications:
ISO9001 and **EN9100**

Customers and Partners

NS+ Ready to fly
POWERED BY RFMICROTECH