NEWSLETTER

November 20, 2025

MicroHarmonics

More OMTs!

We now offer five full-band OMTs from 50-330 GHz with unmatched performance. View Orthomode Transducers.

Variable Attenuators

The only full band variable attenuators employing Faraday rotation, from 75-170 GHz. View Variable Attenuators.

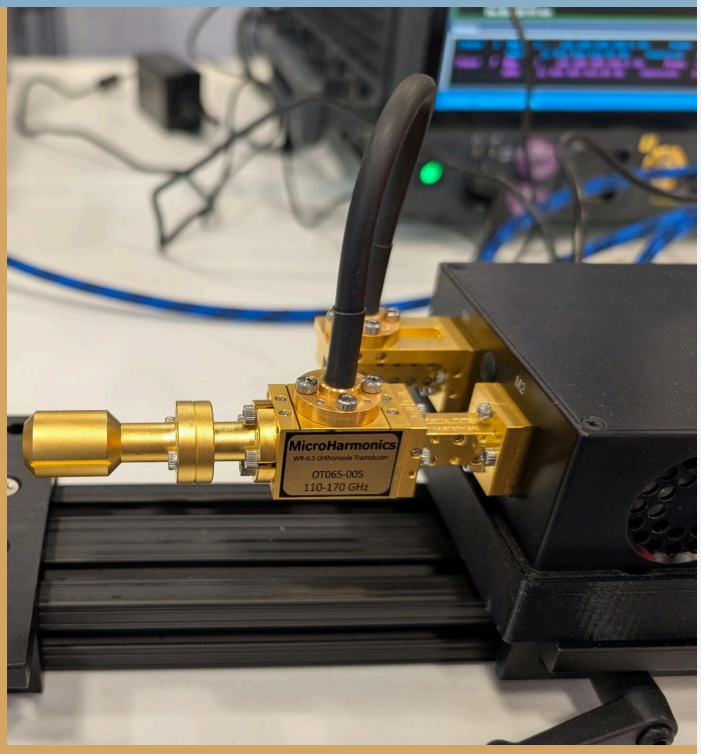
Full band MMW Circulators

Check out our patented hybrid circulators in WR-15 and WR-6.5. View Circulators.

Doubling data at sub-THz: One link, two polarisations, twice the data

Design engineers dream of ways to increase throughput. Learn how Micro Harmonics' orthomode transducers can double your system's capabilities.

Read the full article here →



"There are very few off-the-shelf OMTs at these frequencies, and even fewer that can maintain the isolation and bandwidth we needed." -- Cliff Rowland, RF engineer and head of business development at Virginia Diodes, Inc. (VDI)

Lowest Insertion Loss

Highest Power Rating

RF Test Data for Every Unit

WR-2.8 THz Orthomode Transducer Under Development

Under a new NASA SBIR, Micro Harmonics is developing a THz OMT in WR-2.8 (260-400 GHz), to be available by Q1 2026. As researchers, hungry for bandwidth, push into the THz region of the spectrum, we are committed to providing the system tools they need.

Learn more about OMTs from our blog

What makes our MMW hybrid circulator so unique?

For one thing, it gives designers a circulator for their Tx/Rx systems in frequencies where none existed before. Y-junction circulators do not exist above WR-8. But our hybrid circulators go all the way to WR-3.4! These enabling components are now patented in both the US and Europe.

Learn more about circulators from our blog

IMS and EuMW 2025 Demo

Micro Harmonics worked with Keysight and Virginia Diodes (VDI) to double the data in

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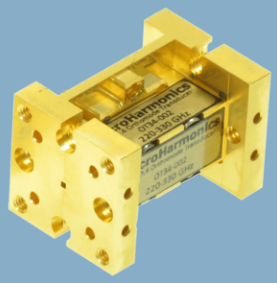
a sub-THz system, first in WR-6.5 at IMS in San Francisco, and then in WR-3.4 at EuMW in Utrecht. **Read Keysight's white paper describing this setup**.



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