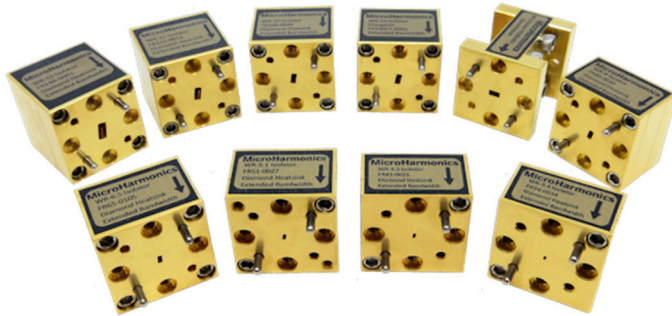


## Working with NASA to Develop Unique MMW Components

Since 2015, Micro Harmonics has been working with NASA to develop state-of-the-art ferrite components for millimeter-wave systems.

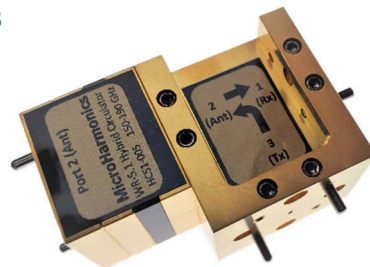


**Compact, full waveguide band Faraday rotation isolators from 26-400 GHz.**  
**Compact cryogenic isolators: 26-220 GHz**



**Compact Voltage Variable Attenuators**

**Wide band Y-junction circulators**



**Wideband Hybrid Circulators**

*“NASA is delighted with the development of a new line of MMW isolators from Micro Harmonics. The insertion loss is much lower than competing products which makes them an attractive option for many NASA MMW and Terahertz instruments. They have also significantly extended the frequency range to 330 GHz with plans to go to 500 GHz. The Micro Harmonics isolators are very compact which helps to reduce the overall size and weight of our instruments. They are also developing a line of MMW isolators optimized for use in our cryogenic systems. – Goutam Chattopadhyay, Ph.D., Senior Scientist, NASA-JPL”*

Micro Harmonics specializes in ferrite components for mm-wave and terahertz systems. Our goal is to provide the best possible component technology to enable this vital and growing market. Please don't hesitate to contact us to discuss your specific requirements.

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