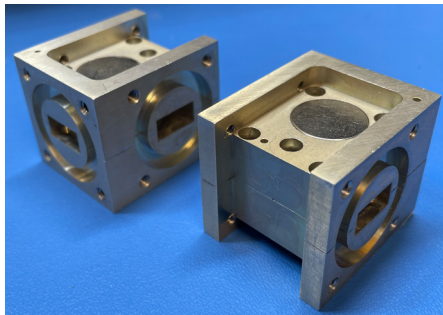
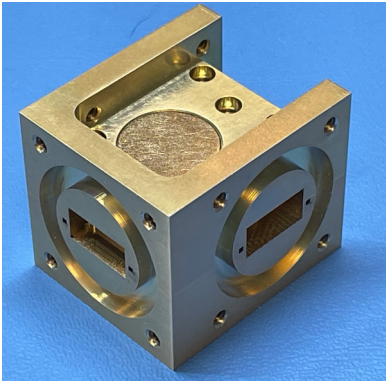


Waveguide Circulators & Isolators



Waveguide Circulator and Isolators are non-reciprocal, passive microwave components that control the direction of RF energy flow in high power and high frequency systems.

Designed for low insertion loss and high isolation, they are essential in radar, satellite communications and electronic warfare.

Key Features

- Non-reciprocal 3-port operation
- High Isolation between Ports
- Low insertion loss
- High power handling capabilities
- Temperature-stable performance
- Available in broad and narrow band options
- Assembled and tested in the U.S., DEFAR compliant materials

Technical Specifications

- Frequency range: designs available from 2 GHz to 30 GHz
- Insertion loss: as low as 0.2dB, band dependent
- Isolation: typically >20dB per junction
- VSWR: 1.25:1 typical
- Operating temperature: -40C to +85C
- Waveguide standards: WR-340 to WR-34

Design Capabilities

- Custom frequency band optimization
- Integrated assemblies (circulator + isolator + filter)
- Custom mounting and size and weight optimization
- Extensive design portfolio



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