

# Waveguide Transitions WR12 to WR3 up to 325 GHz



## TECHNICAL SPECIFICATIONS

- **Frequency Coverage**  
WR12 to WR3 waveguide compatibility, extending to 325 GHz with custom configurations
- **Physical Length**  
1 inch standard for compact integration
- **Circular Waveguide Diameters**  
Customizable to meet system-specific impedance requirements
- **Insertion Loss**  
Low-loss design optimized for minimal signal degradation
- **VSWR Performance**  
Engineered for broadband impedance matching across operating bands

## APPLICATIONS

SATCOM: Interfacing antenna feed networks with rectangular waveguide transmission systems

Radar & Defense: Mode conversion in transmit and receive signal paths

5G/6G Infrastructure: mmWave backhaul and phased array antenna integration

Scientific Research: Test and measurement setups requiring controlled waveguide transitions

RF Test Equipment: Laboratory systems incorporating amplifiers and signal conditioning